MIL-STD-1388-2B
Notice 1
21 Jan 93

DOD REQUIREMENTS FOR A LOGISTIC SUPPORT ANALYSIS RECORD
TO ALL HOLDERS OF MIL-STD-1388-2B

1. THE FOLLOWING PAGES OF MIL-STD-1388-2B HAVE BEEN REVISED AND SUPERSEDE THE PAGES LISTED:

NEW PAGE(S)	DATE	SUPERSEDED PAGE(S)	DATE
v	28 March 1991	v	REPRINTED WITHOUT CHANGE
vi and vii	21 January 1993	vi and vii	28 March 1991
viii	28 March 1991	viii	REPRINTED WITHOUT CHANGE
ix/x	21 January 1993	ix/x	28 March 1991
7 and 8	21 January 1993	7 and 8	28 March 1991
9	28 March 1991	9	REPRINTED WITHOUT CHANGE
10 thru 14	21 January 1993	10 thru 14	28 March 1991
17	28 March 1991	17	REPRINTED WITHOUT CHANGE
18 and 19/20	21 January 1993	18 and 19/20	28 March 1991
23 and 24	21 January 1993	23 and 24	28 March 1991
25	28 March 1991	25	REPRINTED WITHOUT CHANGE
26	21 January 1993	26	28 March 1991
29	21 January 1993	29	28 March 1991
30	28 March 1991	30	REPRINTED WITHOUT CHANGE
37	28 March 1991	37	REPRINTED WITHOUT CHANGE
38 and 39	21 January 1993	38 and 39	28 March 1991
40 and 41	28 March 1991	40 and 41	REPRINTED WITHOUT CHANGE
42	21 January 1993	42	28 March 1991
43	28 March 1991	43	REPRINTED WITHOUT CHANGE
44	21 January 1993	44	28 March 1991
55 and 56	21 January 1993	55 and 56	28 March 1991
59 thru 61	21 January 1993	59 thru 61	28 March 1991
62 and 63	28 March 1991	62 and 63	REPRINTED WITHOUT CHANGE
64 thru 66	21 January 1993	64 thru 66	28 March 1991
71	28 March 1991	71	REPRINTED WITHOUT CHANGE
72	21 January 1993	72	28 March 1991
75 thru 77	21 January 1993	75 thru 77	28 March 1991
78	28 March 1991	78	REPRINTED WITHOUT CHANGE
79 thru 81	21 January 1993	79 thru 81	28 March 1991
82	28 March 1991	82	REPRINTED WITHOUT CHANGE
95	21 January 1993	95	28 March 1991
95a	21 January 1993	NEW	
96	21 January 1993	96	28 March 1991
99 and 100	21 January 1993	99 and 100	28 March 1991
102	21 January 1993	102	28 March 1991
103	28 March 1991	103	REPRINTED WITHOUT CHANGE
107	28 March 1991	107	REPRINTED WITHOUT CHANGE
108 thru 110	21 January 1993	108 thru 110	28 March 1991

AMSC NO A6045 FSC ILSS

DISTRIBUTION STATEMENT A. Approved for public release: distribution is unlimited.

129	21 January 1993	129	28 March 1991
130 and 131	28 March 1991	130 and 131	REPRINTED WITHOUT CHANGE
132 and 133	21 January 1993	132 and 133	28 March 1991
134	28 March 1991	134	REPRINTED WITHOUT CHANGE
135	21 January 1993	135	28 March 1991
136	28 March 1991	136	REPRINTED WITHOUT CHANGE
137	21 January 1993	137	28 March 1991
138	28 March 1991	138	REPRINTED WITHOUT CHANGE
139	21 January 1993	139	28 March 1991
140	28 March 1991	140	REPRINTED WITHOUT CHANGE
143	21 January 1993	143	28 March 1991
144	28 March 1991	144	REPRINTED WITHOUT CHANGE
149	21 January 1993	149	28 March 1991
150 thru 155	21 January 1993	150 thru 155	28 March 1991
156	28 March 1991	156	REPRINTED WITHOUT CHANGE
159 thru 162	21 January 1993	159 thru 162	28 March 1991
163	28 March 1991	163	REPRINTED WITHOUT CHANGE
164 thru 168	21 January 1993	164 thru 168	28 March 1991
173	28 March 1991	173	REPRINTED WITHOUT CHANGE
174 and 175	21 January 1993	174 and 175	28 March 1991
176	28 March 1991	176	REPRINTED WITHOUT CHANGE
177	21 January 1993	177	28 March 1991
178 and 179	28 March 1991	178 and 179	REPRINTED WITHOUT CHANGE
180 thru 186	21 January 1993	180 thru 186	28 March 1991
187	28 March 1991	187	REPRINTED WITHOUT CHANGE
188	21 January 1993	188	28 March 1991
193	28 March 1991	193	REPRINTED WITHOUT CHANGE
194	21 January 1993	194	28 March 1991
219	28 March 1991	219	REPRINTED WITHOUT CHANGE
220 thru 225	21 January 1993	220 thru 225	28 March 1991
226 and 227	28 March 1991	226 and 227	REPRINTED WITHOUT CHANGE
228	21 January 1993	228	28 March 1991
251	28 March 1991	251	REPRINTED WITHOUT CHANGE
252	21 January 1993	252	28 March 1991
255	28 March 1991	255	REPRINTED WITHOUT CHANGE
256	21 January 1993	256	28 March 1991
257	28 March 1991	257	REPRINTED WITHOUT CHANGE
258	21 January 1993	258	28 March 1991
261	28 March 1991	261	REPRINTED WITHOUT CHANGE
262	21 January 1993	262	28 March 1991
271	28 March 1991	271	REPRINTED WITHOUT CHANGE
272	21 January 1993	272	28 March 1991
273 thru 275	21 January 1993	273 thru 275	28 March 1991
276	28 March 1991	276	REPRINTED WITHOUT CHANGE
281	21 January 1993	281	28 March 1991
282	28 March 1991	282	REPRINTED WITHOUT CHANGE
303	28 March 1991	303	REPRINTED WITHOUT CHANGE
304	21 January 1993	304	28 March 1991
319	28 March 1991	319	REPRINTED WITHOUT CHANGE
320	21 January 1993	320	28 March 1991
335	21 January 1993	335	28 March 1991
336 and 337	28 March 1991	336 and 337	REPRINTED WITHOUT CHANGE
338 thru 340	21 January 1993	338 thru 340	28 March 1991

MILITARY STANDARD

341	28 March 1991	341	REPRINTED WITHOUT CHANGE
342 thru 353	21 January 1993	342 thru 353	28 March 1991
354 and 355	28 March 1991	354 and 355	REPRINTED WITHOUT CHANGE
356	21 January 1993	356	28 March 1991
387	28 March 1991	387	REPRINTED WITHOUT CHANGE
388 thru 401	21 January 1993	388 thru 401	28 March 1991
401a thru 401e	21 January 1993	NEW	
402	28 March 1991	402	REPRINTED WITHOUT CHANGE
419	28 March 1991	419	REPRINTED WITHOUT CHANGE
420	21 January 1993	420	28 March 1991
439	21 January 1993	439	28 March 1991
440	28 March 1991	440	REPRINTED WITHOUT CHANGE
445 and 446	21 January 1993	445 and 446	28 March 1991
451	21 January 1993	451	28 March 1991
452	28 March 1991	452	REPRINTED WITHOUT CHANGE
471	28 March 1991	471	REPRINTED WITHOUT CHANGE
472	21 January 1993	472	28 March 1991
483	28 March 1991	483	REPRINTED WITHOUT CHANGE
484	21 January 1993	484	28 March 1991
485	28 March 1991	485	REPRINTED WITHOUT CHANGE
486	21 January 1993	486	28 March 1991
491	28 March 1991	491	REPRINTED WITHOUT CHANGE
492	21 January 1993	492	28 March 1991
513	21 January 1993	513	28 March 1991
513a thru 513f	21 January 1993	NEW	
514	28 March 1991	514	REPRINTED WITHOUT CHANGE
515	21 January 1993	515	28 March 1991
516	28 March 1991	516	REPRINTED WITHOUT CHANGE
529	28 March 1991	529	REPRINTED WITHOUT CHANGE
530 and 531	21 January 1993	530 and 531	28 March 1991
532	28 March 1991	532	REPRINTED WITHOUT CHANGE
557	21 January 1993	557	28 March 1991
558	28 March 1991	558	REPRINTED WITHOUT CHANGE
571 thru 599/600	21 January 1993	571 thru 599/600	28 March 1991

2. RETAIN THIS NOTICE AND INSERT BEFORE TABLE OF CONTENTS.

3. Holders of MIL-STD-1388-2B will verify that the page change indicated herein have been entered. This notice will be retained as a check sheet. This issuance is a separate publication. Each notice is to be retained by stocking points until the Military Standard is completely revised or cancelled.

Custodians:
Army - TM
Navy - AS
Air Force - 95

Preparing Activity
Army - TM

(Project No. ILSS-0003)

Reviewing Activities:
Army - ME, MI, AV, AT, CR
Navy - SH, YD, OS, MC
Air Force - 11, 13, 15, 16, 17
Miscellaneous DOD/NASA - NS, NA, DC, DH, DS

CONTENTS

APPENDICES

FIGURES

TABLES

THIS PAGE INTENTIONALLY LEPT BLANK

MIL-STD-879	Designation of Aircraft Propulsion Gas Turbine Engines
MIL-STD-882	System Safety Program Requirements
MIL-STD-965	Parts Control Program
MIL-STD-1388-1	Logistic Support Analysis
MIL-STD-1390	Level of Repair Analysis
MIL-STD-1478	Task Performance Analysis
MIL-STD-1519	Test Requirements Documents, Preparation of
MIL-STD-1629	Procedures for Performing a Failure Mode, Effects and Criticality Analysis
MIL-STD-1839	Calibration and Measurement Requirements
MIL-STD-1843	Reliability Centered Maintenance for Aircraft, Engines, and Equipment
MIL-STD-2073-1	DOD Materiel, .Procedures for Development and Application of Packaging Requirements
MIL-STD-2073-2	Packaging Requirement Codes
MIL-STD-2097	Acquisition of Support Equipment and Associated Integrated Logistics Support
MIL-STD-2173	Reliability Centered Maintenance Requirements for Naval Aircraft, Weapon Systems, and Support Equipment
DOD-STD-2121(Navy)	Determination of Electronic Test Equipment Parameters

Military Handbooks.

MIL-HDBK-59	Computer-Aided Acquisition and Logistic Support (CALS) Program Implementation Guide
MIL-HDBK-217	Reliability Prediction of Electronic Equipment

Military Specifications.

MIL-T-31000	Technical Data Packages, General Specifications for
MIL-C-7024	Calibrating Fluid, Aircraft Fuel System Components
MIL-M-63036	Manuals, Technical: Operator's, Preparation of (Army)

MIL-M-63038	Manuals, Technical: Unit or Aviation Unit Direct Support, Aviation Intermediate, and General Support Maintenance, Requirements for
MIL-M-83495	Manuals, Technical: On-Equipment Set, Organizational Maintenance Manuals; Detailed Requirements for Preparation of (For USAF Equipment)

Federal Manuals and Catalogs.

H4/H8	Commercial and Government Entity Code
H6-1	Federal Item Name Directory for Supply Cataloging

(Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the Standardization Documents Order Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA, 19111-5094.)

Bulletins.

ANA Bulletin 306	Engines, Aircraft Turbine and Jet, Designation of
ANA Bulletin 395	Engines, Aircraft Reciprocating, Designation of

Other Documents.

DOD 4100.38-M	DOD Provisioning and Other Preprocurement Screening Manual
DOD 5000.12-M	DOD Manual for Standard Data Elements
DODD 5000.2	Acquisition Management Policies and Procedures
AR 70-50 NAVMATINST 8800.3 AFR 82-5	Designating and Naming Defense Equipment Military Aerospace Vehicles
AR 700-26 NAVAIRINST 13100.1 AFR 66-11	Designating and Naming Military Aircraft
AR 700-82 OPNAVINST 4410.2 AFR 66-45 MCO 4400.120 DSAR 4100.6	Joint Regulation Governing the Use and Application of Uniform Source Maintenance and Recoverability Codes
NAVFAC P-72	Category Codes for Real Property, Navy
NAVPERS 15839	Manual of Navy Officer Classifications
NAVPERS 18068	Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards
MCO P 1200.7	Military Occupational Specialties

AR 415-28	Department of the Army Facility Classes and Construction Categories
AR 611-101	Manual of Commissioned Officer Military Occupational Specialties
AR 611-112	Manual of Warrant Officer Military Occupational Specialties
AR 611-201	Enlisted Military Occupational Specialties
AFR 36-1	Officer Classification Manual
AFR 39-1	Airman Classification Manual
AFM 86-2	Standard Facility Requirements
FPM Supplement 512-1	Civil Service Commission, Job Grading Standard
SB 700-20	Army Adopted/Other Items Selected for Authorization/ List of Reportable Items
JCS PUB 1	Dictionary of United States Military Terms for Joint Usage
DA CPR 502	Department of Army - Civilian Personnel Regulations, Standardized Job Descriptions
DA PAM 700-20	Department of Army - Test, Measurement, and Diagnostic Equipment Register

Industry Documents.

ANSI Y32.16	Reference Designations for Electrical and Electronics Parts and Equipments

(Non-Government standards and other publications are normally available from the organizations that prepare or distribute the documents. These documents also may be available in or through libraries or other informational services.)

3. DEFINITIONS. The LSAR data elements are defined in the description of the LSAR reports contained in appendix B and in the LSAR data element dictionary comprising appendix E of this standard. In addition, for the purposes of this standard, the following definitions shall apply:

3.1 Assembly. A number of parts or subassemblies, or any combination thereof, joined together to perform a specific function and capable of disassembly (e.g., power shovel-front, fan assembly, audio frequency amplifier). NOTE: The distinction between an assembly and subassembly is determined by the individual application. An assembly, in one instance, may be a subassembly in another where it forms a portion of an assembly.

3.2 Attaching part. An item used to attach assemblies or parts to the equipment or to each other,.

3.3 Component. An assembly or any combination of parts, subassemblies, and assemblies mounted together normally capable of independent operation in a variety of situations.

3.4, Desire Change. An approved engineering change incorporated into the end item which modifies, adds to, deletes, or supersedes parts in the end item.

3.5 End Article/Product. A component, assembly or subassembly being procured as the top item on the contract.

3.6 End Item. A final combination of end products, component parts/materials which is ready for its intended use, e.g. , ship, tank, mobile machine shop, aircraft, receiver, rifle, or recorder.

3.7 LSA Candidate. A component, subassembly, assembly, software, or end item/article on which maintenance action is considered feasible as a result of a preliminary or detailed tradeoff analysis.

3.8 LSA Documentation. All data resulting from performance of LSA tasks, conducted under MIL-STD-1388-1, to include LSAR, pertaining to an acquisition program.

3.9 Manufacturers Part Number. See reference number.

3.10 Part. One, two or more pieces, joined together which are not normally subject to disassembly without destruction or impairment of designed use.

3.11 Part Number. See reference number.

3.12 Reference Number. Any number, other than a government activity stock number, used to identify an item of production, or used by itself or in conjunction with other reference numbers to identify an item of supply. Reference numbers include: manufacturer's part, drawing, model, type, or source controlling numbers; manufacturer's trade name; specification or standard numbers; and, specification or standard part, drawing, or type numbers. See appendix E, Data Element Definition 337.

3.13 Repair Part. Material capable of separate supply and replacement which is required for the maintenance, overhaul, or repair of a system, equipment or end item. This definition does not include Support Equipment, but does include repair parts for support equipment.

3.14 Spares. Articles identical to or interchangeable with the end articles on contract which are procured over and above the quantity needed for initial installation for support of a system.

3.15 Subassembly. Two or more parts which form a portion of an assembly or a component replaceable as a whole, but having a part or parts which are individually replaceable (e.g., gun mount stand, window recoil mechanism, floating piston, telephone dial, mounting board with mounted parts, power shovel dipper stick).

3.16 Support Equipment. "Support Equipment" is that equipment required to make an item, system, or facility operational in its intended environment. This includes all equipment required to maintain and operate the item, system, or facility including aerospace ground equipment and ground equipment.

3.17 Support Items. Items subordinate to or associated with an end item, i.e., spares, repair parts, and support equipment.

3.18 Topdown. A breakdown accomplished by sequencing all parts comprising the end item in a lateral and descending "family tree/generation breakdown". This breakdown shall consist of the end-item, including all components, listing every assembly, subassembly, and parts which can be disassembled, reassembled/replaced. All parts are listed in their relation to the end item, component, assembly, or installation system in which they are contained and to their own further sub-subassemblies and parts. This relationship is shown by means of an indenture code.

4. GENERAL REQUIREMENTS. LSA documentation, including LSAR data, is generated as a result of the analysis tasks specified in MIL-STD-1388-1. As such, the LSAR data shall serve as the Integrated Logistic Support (ILS) technical database applicable to all materiel acquisition programs to satisfy the support acquisition. The DEDs, data field lengths, and data formats described in appendices A and E shall be adhered to by the performing activity in establishing the LSAR database. The specific data entry media, storage, and maintenance procedures are left to the performing activity. Validated LSAR ADP systems are available for automated storage of the LSAR data. A list of these LSAR ADP systems may be obtained from the USAMC Materiel Readiness Support Activity, ATTN: AMXMD-EL$_i$ Lexington, KY 40511-5101. The LSAR data forms a database to:

a. Determine the impact of design features on logistics support.

b. Determine the impact of the proposed logistics support system on the system/equipment availability and maintainability goals.

c. Provide data for tradeoff studies, life cycle costing, and logistic support modeling.

d. Exchange valid data among functional organizations.

e. Influence the system/equipment design.

f. Provide data for the preparation of logistics products specified by DIDs.

g. Provide the means to assess supportability of the fielded item.

h. Provide the means to evaluate the impact of engineering change, product improvement, major modification or alternative proposals.

4.1 LSAR data requirements form. The LSAR data requirements form (DD Form 1949-3, figure 71) provides a vehicle for identifying the required LSAR data elements to be completed and, when applicable, the media of delivery (e.g., floppy disk, magnetic tape, etc.). Preparation of the LSAR data requirements form should be a result of the LSAR tailoring process discussed in appendix D. The data requirements form are used to identify the specific data elements that are required and identified on the relational data tables. In addition, the form will be used to specify the data elements required for each Provisioning Technical Documentation (PTD) list or packaging categorization of items required. Generation of the PTD lists (format shown

as table I, LSA-036 report) may be accomplished manually or via automation techniques. When more than one option of entry for a data element is possible, the options are spelled out as part of the data element dictionary. In a similar manner, the LSAR data requirements form list the options for data elements that have more than one option for entry. Only one option will be specified for a data element with multiple entry options. The LSAR data requirements form will be attached to the contract SOW and attached to the Contract Data Requirements List (CDRL), DD Form 1423, for the applicable DIDs. Detailed instructions for completing DD Form 1949-3 are provided in appendix B, paragraph 20.1 and figure 14.

4.2 LSAR data. The preparation and maintenance of LSAR data is directly related to the hardware and software design of an end item. The requiring authority is responsible for specifying the equipment indenture level and the level(s) of maintenance for which LSAR data will be prepared and maintained. The LSAR data may be prepared and maintained manually, using the LSAR data tables displayed in appendix A, or equivalent formats approved by the requiring authority. It may also be prepared and maintained automatically through use of current computer technology. The decision to automate the LSAR data versus a manual LSAR must take into account the following factors:

a. Costs and schedules of preparation.

b. Availability of an ADP system.

c. Hardware complexity.

d. Acquisition/life cycle phase.

e. Requiring authority's schedule requirements.

f. Design stability.

g. Compatibility with other LSAR preparers, as well as the requiring authority's ADP system.

h. Requiring authority involvement.

4.2.1 Manual LSAR data. While not preferred, the LSAR data may be prepared and maintained in hard copy format by using the LSAR data tables displayed in appendix A as guidelines for data groupings. When the LSAR data is prepared and maintained manually, the data displayed on the LSAR tables shall be grouped into LSAR data packages documenting individual reparable assemblies, embedded computer software, and support/test equipment. The LSAR data packages shall be sequenced by LCN. The data displayed on support equipment, facilities, and new or modified skill requirements shall be included in the applicable system/end item LSAR packages, or as directed by the requiring authority. LSAR data displayed on the support item identification and application data shall be sequenced by reference number and LCN within each reference number.

4.2.1.1 Manual LSAR report generation. When required, any or all of the LSAR reports contained in appendix B can be produced in a nonautomated environment. When the LSAR reports are produced by nonautomated means, the reports shall be in accordance with (IAW) the content, format, sequence, and computational requirements contained in paragraph 30 of appendix B.

4.2.2 Automated LSAR data. The LSAR data may be automated and, as such, a validated LSAR ADP system shall be used as follows.

4.2.2.1 Performing activity LSAR ADP system. The performing activity shall use a validated LSAR ADP system. Validation will be accomplished by the USAMC Materiel Readiness Support Activity (MRSA). The systems shall be capable of fulfilling the basic criteria defined in paragraph 4.2.2.2 of this standard. These systems shall be validated by exhibiting processing capability to input, edit, and build LSAR relational tables and output the relational tables and standard LSAR reports. Detailed validation procedures will be provide on

4.2.2.2 LSAR ADP system criteria. The independently developed LSAR ADP system will be validated based on the following design criteria:

a. Shall be capable of automatically accepting relational table data in the formats displayed in appendix A, using the data elements, definitions, data element edits, data field lengths, and data relationships contained in appendices A and E.

b. Shall be capable of producing LSAR reports as displayed in appendix B.

c. Shall be capable, as a minimum, of satisfying all appendix E data elements.

d. Shall be capable of outputting LSAR ADP relational tables as displayed in appendix A.

e. Shall be capable of outputting change only data from last delivery of LSAR data.

f. Shall provide automated user comment capability.

These minimum design criteria are required to secure system validation. Additional system automation is strongly encouraged.

5. DETAILED INSTRUCTIONS FOR AUTOMATED OR MANUAL PREPARATION OF LSAR RELATIONAL TABLES. These instructions are applicable for either the automated or manual preparation of the LSAR data. Each data table contained in appendix A is identified by a three-position code. The first position of this code identifies the functional area most directly associated with the information contained within the data table. These codes are consistent with the data record letter identifications used in the previous version of this standard, e.g., support item identification is identified by an “H” in the first position of the table code. The second position uniquely identifies the table within a functional area. The third position may be used to insert additional data tables at a later date.

5.1 Requiring authority data tables. Information in the “A” and portions of. the “X” tables will be provided by the requiring authority and may be incorporated with the solicitation, or addressed at the LSA\LSAR guidance conference. This information will also be documented on the DD form 1949-3, Figure 71.

5.1.1 Cross functional requirements. These data tables have attributes which cross multiple functional areas or are used as a link to various functional

data tables. The tables are used by the requiring authority to document supply, maintenance and personnel data in support of tradeoff analysis. The individual data elements may be used in conjunction with other LSA data in several LSA models with only minor adjustment, if any, for compatibility of units.

5.1.2 Operations and maintenance requirements. These tables are structured to consolidate the pertinent information related to the anticipated operation of the system, environment in which the system will be operated and maintained, and the system maintenance requirements which must be met. This information is prepared for the system, and for each subsystem for which maintenance requirements are to be imposed, and will also be prepared for government furnished equipment (GFE). When separate operational/maintenance requirements are established for wartime and peacetime scenarios, each set of requirements will be documented as separate table rows. The number of rows of information that will be prepared shall be based on the tasks contained in MIL-STD-1388-1, or as specified by the requiring authority. The performing activity shall incorporate this information into the LSAR and shall complete the appropriate key fields, unless the field has been completed by the requiring authority. Detailed instructions for completion of this information are contained in appendices A and E.

5.2 Performing activity data tables. The performing activity shall complete the required fields of data tables "B", "C", and "E", "F", "G", "H", "J", "U" and portions of the "X" IAW the information contained in appendices A and E and to the extent specified by DD Form 1949-3. When DEDs state that specific information will be provided by the requiring authority, the information may be included in the solicitation or not later than the LSA/LSAR guidance conference.

5.2.1 Reliability, availability, maintainability; failure modes, effects, and criticality analysis; and maintainability analysis. The "B" data tables provide a description of the function of each item within the system; outline the maintenance concept to be utilized for design and support planning purposes; and, identify any design conditions such as fail-safe requirements/ environmental or nuclear hardness considerations imposed upon the system. The tables summarize the reliability, maintainability, and related availability characteristics of the item resulting from the failure modes and effects, criticality, and maintainability analyses, and accommodates a narrative description of any analysis related to the potential redesign of an item. A separate row of information is prepared for the system, for each subsystem contained in the system, and for each level of breakdown for that subsystem until the lowest reparable item has been documented. The degree of breakdown shall be specified by the requiring authority. Additional "B" data tables are designed to accommodate the Failure Modes and Effects Analysis (FMEA), as described by task 101 of MIL-STD-1629. These tables will also accommodate the Damage Mode and Effects Analysis, to be utilized for survivability and vulnerability assessments, as described in task 104 of MIL-STD-1629, and accommodates the criticality and maintainability analyses, as described in tasks 102 and 103 of MIL-STD-1629. The purpose of the criticality analysis is to rank each identified failure according to the combined influence of severity classification and failure probability of occurrence. The relative ranking of the calculated item criticality numbers highlights system high risk items. The maintainability analysis serves as the starting point for maintenance task analysis. The FMEA documents the effects

contractual and does not establish requirements. However, the guidance in appendix C should be followed to ensure proper assignment of LCNs for a given system/equipment, as this is critical for successful configuration management and ILS product development.

5.4 LSA\LSAR guidance conference. The purpose of this conference is to ensure the performing activity and requiring authority have a firm understanding of the relationship of the LSA tasks to the LSA documentation, task milestones, and funding levels contractually required. When a guidance conference is not contractually specified and the performing activity desires a conference, the performing activity shall propose a date and place. The proposal shall be submitted within thirty (30) days after contract award. The specific date and place for the guidance conference will be determined by-the requiring authority and performing activity. The guidance provided to the performing activity by the requiring authority may include, but shall not be limited to, the following:

a. Performing activity inquiries relative to contractual LSAR requirements.

b. Operational and maintenance concepts, i.e., program data.

c. Baseline logistics data, i.e., available skills, training programs, tools , test equipment, and facilities.

d. Requirement for joint service validation of the performing activity developed LSAR ADP system, when applicable.

e. Guidance relative to the use and application of LSAR data elements.

f. Review of the LSA candidate list.

6. NOTES. (This section contains information of a general or explanatory nature that is helpful, but is not mandatory.)

6.1 Intended use. This standard contains requirements which are applicable to the acquisition of military systems and equipment.

6.2 Issue of DODISS. When this standard is used in acquisition, the issue of the DODISS to be applicable to this solicitation must be cited in this solicitation (see 2.1).

6.3 Consideration of data requirements. The following should be considered when this standard is applied on a contract. The applicable DIDs should be reviewed in conjunction with the specific acquisition to ensure that only essential data are requested/provided and that the DIDs are tailored to reflect the requirements of the specific acquisition. To ensure correct contractual application of the data requirements, a CDRL (DD Form 1423) must be prepared to obtain the data, except where DOD FAR Supplement 27.475-1 exempts the requirement for a DD Form 1423. Refer to appendix D of this standard for suggested tailoring guidance.

Paragraph Number	DID Number	DID Title
5.2	DI-ILSS-81173	Logistic Support Analysis Record (LSAR) Data
Appendix B, 30.1	DI-ILSS-81138A	LSA-001, Annual Man-Hours by Skill Specialty Code and Level of Maintenance
Appendix B, 30.2	DI-ILSS-81139A	LSA-003, Maintenance Summary
Appendix B, 30.3	DI-ILSS-81140A	LSA-004, Maintenance Allocation Chart
Appendix B, 30.4	DI-ILSS-81141A	LSA-005, Support Item Utilization Summary
Appendix B, 30.5	DI-ILSS-81142A	LSA-006, Critical Maintenance Task Summary
Appendix B, 30.6	DI-ILSS-81143A	LSA-007, Support Equipment Requirements
Appendix B, 30.7	DI-ILSS-81144A	LSA-008, Support Items Validation Summary
Appendix B, 30.8	DI-ILSS-81145A	LSA-009, Support Items List
Appendix B, 30.9	DI-ILSS-81146A	LSA-010, Parts Standardization Summary
Appendix B, 30.10	DI-ILSS-81147A	LSA-011, Requirements for Special Training Device
Appendix B, 30.11	DI-ILSS-81148A	LSA-012, Facility Requirements
Appendix B, 30.12	DI-ILSS-81149A	LSA-013, Support Equipment Grouping Number Utilization Summary
Appendix B, 30.13	DI-ILSS-81150A	LSA-014, Training Task List
Appendix B, 30.14	DI-ILSS-81151A	LSA-016, Preliminary Maintenance Allocation Chart
Appendix B, 30.15	DI-ILSS-81152	LSA-018, Task Inventory Report
Appendix B, 30.16	DI-ILSS-81153A	LSA-019, Task Analysis Summary
Appendix B, 30.17	DI-ILSS-81183A	LSA-023, Maintenance Plan Summary
Appendix B, 30.18	DI-ILSS-80119C	LSA-024, Maintenance Plan
Appendix B, 30.19	DI-PACK-80120	Preservation and Packing Data
Appendix B, 30.20	DI-ILSS-81154A	LSA-026, Packaging Developmental Data
Appendix B, 30.21	DI-ILSS-81155A	LSA-027, Failure/Maintenance Rate Summary
Appendix B, 30.22	DI-ILSS-81156A	LSA-030, Indentured Parts Lists
Appendix B, 30.23	DI-ILSS-81286	Provisioning and other Preprocurement Screening Data
Appendix B, 30.24	DI-ILSS-81157A	LSA-033, Preventive Maintenance Checks and Services (PMCS)
Appendix B, 30.25	DI-ILSS-81285	Provisioning Technical Documentation Provisioning Parts List Short Form Provisioning Parts List Long Lead Time Items List Repairable Items List Interim Support Items List Tools and Test Equipment List Common and Bulk Items List Design Change Notices Post Conference List System Configuration Provisioning List
Appendix B, 30.26	DI-ILSS-81158A	LSA-037 Spares and Support Equipment Identification List
Appendix B, 30.27	DI-ILSS-81159A	LSA-039, Critical and Strategic Item Summary
Appendix B, 30.28	DI-ILSS-81160A	LSA-040, Authorization List Items Summary
Appendix B, 30.29	DI-ILSS-81161A	LSA-046, Nuclear Hardness Critical Item Summary
Appendix B, 30.30	DI-ILSS-81162A	LSA-050, Reliability Centered Maintenance Summary

Appendix B,	30.31	DI-ILSS-81163A	LSA-056, Failure Modes, Effects and Criticality Analysis (FMECA) Report
Appendix B,	30.32	DI-ILSS-81164A	LSA-058, Reliability and Maintainability Analysis Summary
Appendix B,	30.33	DI-ILSS-81165A	LSA-065, Manpower Requirements Criteria
Appendix B,	30.34	DI-ILSS-80118C	LSA-070, Support Equipment Recommendation Data (SERD)
Appendix B,	30.35	DI-ILSS-81166A	LSA-071, Support Equipment Candidate List
Appendix B,	30.36	DI-ILSS-80288B	LSA-072, Test, Measurement, and Diagnostic Equipment (TMDE) Requirements Summary
Appendix B,	30.37	DI-ILSS-80289B	LSA-074, Support Equipment Tool List
Appendix B,	30.38	DI-ILSS-80290B	LSA-075, Consolidated Manpower, Personnel and Training Report
Appendix B,	30.39	DI-ILSS-81167A	LSA-076, Calibration and Measurement Requirements Summary
Appendix B,	30.40	DI-ILSS-80291B	LSA-077, Depot Maintenance Interservice Data Summary
Appendix B,	30.41	DI-ILSS-81168A	LSA-078, Hazardous Materials Summary
Appendix B,	30.42	DI-ILSS-81169A	LSA-080, Bill of Materials
Appendix B,	30.43	DI-ILSS-81170A	LSA-085, Transportability Summary
Appendix B,	30.44	DI-ILSS-81171A	LSA-126, Hardware Generation Breakdown Tree
Appendix B,	30.45	DI-ILSS-81287	LSA-151, Provisioning Parts List Index
Appendix B,	30.46	DI-ILSS-81172	LSA-152, PLISN Assignment/Reassignment
Appendix B,	30.47	DI-ILSS-80292B	LSA-154, Provisioning Parts Breakout Summary
Appendix B,	30.48	DI-ILSS-80293B	LSA-155, Recommended Spare Parts List for Spares Acquisition Integrated with Production (SAIP)

The above DIDs were those cleared as of the date of this standard. The current issue of DOD 5010.12-L, Acquisition Management Systems and Data Requirements Control List (AMSDL), must be researched to ensure that only current, cleared DIDs are cited on DD Form 1423.

6.4 Subject term (key word) listing.

Provisioning
CALS
Support equipment
Task analysis
Training
Transportability

6.5 Supersession data. This standard includes the requirements of MIL-STD-1388-2A, dated 20 Jul 84.

6.6 Changes from previous issue. Marginal notations are used in this revision to identify changes with respect to the previous issue.

THIS PAGE INTENTIONALLY LEFT BLANK

30.2.2.4 Data Element Code (CODE). A nine-position code, left-justified, used to identify the DED. Each DED Code is unique within the table in which the DED is listed. The DED Code cannot be changed or modified when independently developing a relational LSAR ADP System. The last three positions of the code are the table code. When a key migrates to a new table, thus becoming a foreign key, it will retain the table code where the key originated, unless the key is required to assume a "roll name" in the new table. Origination of foreign keys which assume roll names are defined in the business rules for the data table.

30.2.2.5 Data Element Title. The noun phrase used to identify the data element. Sufficient modifiers are used with the noun name to ensure title uniqueness for a specific data element definition.

30.2.2.6 Field Format. A specification for the length, type, positional justification, and decimal placement of a data element field, or subfield thereof, as described below:

a. Length. The number of character positions in the data element. In the event the length is variable, the maximum length is specified.

b. Type. A specification of the character type, wherein:

"A" specifies that all characters of the data field, except narrative fields, are upper case alphabetical.

"N" specifies that all characters of the data field are numerical.

"X" specifies that characters of the data field are upper case alphabetical (except narrative fields), numerical, special, or any combination thereof.

"D" specifies that characters of the data field are numerical with floating decimal. Decimals may be entered as required or exponentially, e.g., "0.0000325" or "3.25E-5".

c. Justification. Specifies from which side of the field the characters of the data element are entered. Those starting at the left are left justified (L), those starting at the right are right justified (R); and, those which always occupy the entire field are fixed (F). A dash (-) is used if this column is not applicable.

d. Decimal Placement. Specifies the number of character positions to the right of the assumed decimal point when the data element is numeric in all character positions with a fixed decimal location. A dash (-) is used if this column is not applicable. AS means "AS Specified" and the detailed instructions will indicate the location of decimal points.

e. Field formats for extended narrative data fields are capable of accepting a maximum of 99,999, 65-character lines, of information by means of a text sequencing code.

30.2.2.7 DED Number. A sequentially assigned number to each data element in the dictionary for use in locating and referencing it throughout the dictionary and the relational data tables.

30.2.2.8 Key Data Element Code (KEY). An indicator that identifies key and mandatory data within a data table. The indicators are "F", foreign key, "K", key, or "M", mandatory, nonidentifying data element. Key data cannot have a null value (unless specified in the business rules) when attempting to establish a data row in a given data table.

30.2.2.9 Role Name. A unique modifier of a data element title which describes the use/application of the data element within a specific relational data table location.

30.3 LSAR Data Table Exchange/Delivery. Depending upon contractual language, exchange/delivery of the LSAR data may take the form of full file replacement or "change only" data (changes to the MIL-STD-1388-2B data tables since the previous submittal of the LSAR data) . Both capabilities are required of validated MIL-STD-1388-2B LSAR systems. Validated LSAR systems may employ table upload edits differently; therefore, each system shall be responsible for sorting tables of imported LSAR files as necessary *to* pass their table upload edits. Also, LSAR data tables shall be exchanged/delivered via variable length ASCII file formats. All data elements shall be positioned at their respective offsets in the table row field. The following paragraphs define the requirements to insure that automated LSAR systems will produce and load standard outputs not only for all data tables (full file replacement), but also standard outputs for "change only" data. Each type of transaction shall be identified by the use of an update code (UC); multiple transactions are possible for "change only" data delivery. The UC is not a data element within each relational table; instead, the UC appends the appropriate table row(s) identifying the transactions which have occurred.

30.3.1 Full file replacement. When providing an initial LSAR file delivery or a full file replacement, a UC = * must be present for the appropriate row of Table XA. The file structure for full file replacement is as follows:

|UC|Table ID|Table Row|

The UC (*) identifies the type of transaction as being full file replacement or initial delivery. The Table ID is XA in this case and the Table Row only needs the key data element (EIAC) input. Each element of the transaction shall be contiguous and without the vertical lines shown above.

30.3.2 Change only data delivery. "Change only" data delivery requires multiple types of change transactions. Each type of change transaction is listed below with its definition and appropriate UC.

a. Add Transaction - UC = A. The Add Transaction Code identifies that the record to be loaded is a new record to be added to the respective table. The appearance of an add implies that the key data elements do not already exist in the table being accessed. However, those key data elements must already exist in the prerequisite tables. The add record shall contain required key fields and shall invoke a full record insert to specified table.

b. Delete Transaction - UC = D. The Delete Transaction Code identifies the transaction record as a delete of an existing record pertaining to the identified key data elements. If the table is prerequisite to another table and there is data in the other table matching on the identified keys, this transaction shall not delete the data in the specified table. A global delete transaction (identified below) shall delete table records and associated

subordinate table records with respect to identified key data elements,

c. Element Change Transaction - UC - C. The appearance of an Element Change Transaction Code for a given table and keys implies that data already exists and is being modified. An Element Change Transaction shall only contain data in the key fields and the fields which are being modified. The Element Change Transaction shall update only the specified data element(s).

d. Element Delete Transaction - UC - X. If deletion of one or more data elements from a table is desired, each element will contain a "D" in the first position of its respective table position. An Element Delete Transaction shall also contain the appropriate key data for the specified data table. The Element Delete Transaction shall delete only the specified data element(s).

e. Global Delete Transaction - UC - R. In the Global Delete Transaction, the identified key data shall be deleted from the specified table as well as from all tables which are subordinate to the specified table.

f. File Structure for Change Transactions A, D, C, X, and R. The following file structure shall be used for the subject change transactions:

The UC (A, D, C, X, or R) identifies, the type of transaction. The Table ID is the data table identification (i.e., XB, CA, etc.). The Table Row is self explanatory for each type of transaction. Each element of the transaction shall be contiguous and without the vertical lines shown above.

g. Key Field Change Transaction - UC -- K. In the Key Field Change Transaction, the identified key data shall be changed in the specified table as well as in all tables which are subordinate to the specified table. If a key data element in the specified table has a foreign key identification, the "Change To" key data element (see file structure in next paragraph) must be established in the foreign key file (and other prerequisite files) before the change can be implemented (e.g. , changing an existing LCN to a new LCN can only be accomplished in Table XB, where LCN is first introduced as a key data element) .

h. File Structure for Change Transaction K. The following file structure shall be used for Key Field Change Transactions:

```
|UC|Table ID|Table Row "Change From"|Table Row "Change To"|
            |Key Values              |Key Values            |
```

The UC (K) identifies the transaction as a Key Field Change Transaction. The Table ID is the data table identification. The Table Row "Change From" Key Values are the identified table key values which exist in the table and are to be changed. The Table Row "Change To" Key Values are values to which all applicable table keys are being changed. Each element of the transaction shall be contiguous and without the vertical lines shown above.

30.3.2.1 Update code sort order. The order for the incorporation of change transactions into a database is critical and shall be dependent upon the UC. The UC sort order is R, K, D, X, A, and C,

40. CROSS FUNCTIONAL REQUIREMENT. The following "X" data tables have attributes which cross multiple functional areas or are used as a link to various functional data tables. Included under these tables are the functional and physical breakdown LCN, assignment and" application of UOCs, technical manual numbers, and government provided level of repair analysis (LORA) modeling information. Figure 4 depicts the key relationships for these tables.

TABLE CODE	TABLE TITLE
XA	End Item Acronym Code
XB	LCN Indentured Item
XC	System/End Item
XD	System/End Item Serial Number
XE	LCN to Serial Number Usable On Code
XF	LCN to System/End Item Usable On Code
XG	Functional/Physical LCN Mapping
XH	Commercial and Government Entity
XI	Technical Manual Code and Number Index

40.1 Table XA, End Item Acronym Code. This table contains the EIAC (EIACODXA) used to define the LSAR system documented in the relational database. Also included in this table are LORA modeling parameters provided by the requiring authority. When the classical or modified classical LCN assignment is used (see Appendix C), then an entry is required in LCN structure (LCNSTRXA).

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	10XL-	096	K
LCNSTRXA	LCN STRUCTURE	18NL-	202	
ADDLTMXA	ADMINISTRATIVE LEAD TIME	2NR-	014	
CTDLTMXA	CONTACT TEAM DELAY TIME	3NR-	052	
CONTNOXA	CONTRACT NUMBER	19XL-	055	
CSREORXA	COST PER REORDER ACTION	4NR2	061	
CSPRRQXA	COST PER REQUISITION	4NR2	062	
DEMILCXA	DEMILITARIZATION COST	2NR-	077	
DIS CNTXA	DISCOUNT RATE	3NR2	083	
ESSALVXA	ESTIMATED SALVAGE VALUE	2NR-	102	
HLCSPCXA	HOLDING COST PERCENTAGE	2NR-	160	
INTBINXA	INITIAL BIN COST	4NR-	166	
INCATCXA	INITIAL CATALOGING COST	4NR-	167	
INTWTXA	INTEREST RATE	3NR2	173	
INVSTGXA	INVENTORY STORAGE SPACE COST	4NR2	176	
LODFACXA	LOADING FACTOR	3NR2	195	
WSOPLVXA	OPERATION LEVEL	2NR-	271	

a. The System/EI Identifier (SYSIDNXB) of "S" or "E" identifies LCNs as representing System/EIs from table XB for entry into this table.

b. For identical PCCNS (PCCNUMXC), the UOCS (UOCSEIXC) must be different.

c. All alternate assemblies of the same LCN must have the same PCCN.

CODE	DATA ELEMENT TITLE	FORMAT	DED	~
EIACODXA	END ITEM ACRONYM CODE	IOXL-	E	F
LSACONXB	LSA CONTROL NUMBER (LCN)	18XL-	199	F
ALTLCNXB	ALTERNATE LCN CODE	2NF-	019	F
LCNTYPXB	LCN TYPE	1AF-	203	F
UOCSEIXC	USABLE ON CODE	3XL-	501	M
PCCNUMXC	SYSTEM/EI PROVISIONING CONTRACT CONTROL NUMBER	6XF-	307	M
ITMDESXC	SYSTEM/EI ITEM DESIGNATOR CODE	26XL-	179	
PLISNOXC	SYSTEM/EI PROVISIONING LIST ITEM SEQUENCE NUMBER	5XL-	309	
TOCCODXC	SYSTEM/EI TYPE OF CHANGE CODE	1AF-	481	
QTYASYXC	SYSTEM/EI QUANTITY PER ASSEMBLY	4X--	316	
QTYPEIXC	SYSTEM/EI QUANTITY PER END ITEM	5X--	317	
TIUJSEIXC	TRANSPORTATION END ITEM INDICATOR	1AF-	467	

40.4 Table XD, System/End Item Serial Number. This table is only used when parts configuration control is managed by serial numbers (S/N) of a system/EI. It contains Serial Numbers applicable to a System/End Item, and if required, Serial Number UOC assignments, e.g., for model V1O, identified in table XC, applicable serial numbers may be 110 through 118, 121 and 125-130, while for model V1OA, also identified in table XC, the applicable serial numbers may be 119, 122-124, and 131-150. For these serial number(s) specific serial number UOCs may be assigned as follows:

Model (ITMDESXC)	Serial Number UOC (SNUUOCXD)	Serial Number(s) (FRSNUMXD) (TOSNUMXD)
V10	A	110 - 118
V10	B	121 - 121
V10	C	125 - 130
V1OA	D	119 - 119
V1OA	E	122 - 124
V1OA	F	131 - 150

a. S/N From (FRSNUMXD) must be less than or equal to S/N To (TOSNUMXD).

b. S/N UOCs must be different for all EIAC, LCN, ALC and LCN Type combinations within the same PCCN (pulled from table XC for subject keys) .

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	10XL-	096	F
LSACONXB	LSA CONTROL NUMBER (LCN)	18XL-	199	F
ALTLCNXB	ALTERNATE LCN CODE	2NF-	019	F
LCNTYPXB	LCN TYPE	1AF-	203	F

FRSNUMXD	SERIAL NUMBER FROM	10XL-	373	K
TOSNUMXD	SERIAL NUMBER TO	10XL-	373	K
SNUUOCXD	SERIAL NUMBER USABLE ON CODE	3AL-	375	M

40.5 Table XE, LCN to Serial Number Usable On Code. This table contains LCN and system/EI S/N LCNs in order to determine the associated S/N and SN UOCs for the LCN. Table keys include all columns.

a. Table keys LSACONXE, ALTLCNXE, and LCNTYPXE migrate from table XB. Table keys LCNSEIXE, ALCSEIXE, and LTYSEIXE migrate from table XD. EIACODXA is identical for keys from tables XB and XD for a given row of data.

b. Rows of information from this table with LCNTYPXE and LTYSEIXE of "P" must match entries in table HN, when this table is established.

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	10XL-	096	F
LSACONXE	S/N ITEM LSA CONTROL NUMBER (LCN)	18 X L -	199	F
ALTLCNXE	S/N ITEM ALTERNATE LCN CODE	2NF-	019	F
LCNTYPXE	S/N ITEM LCN TYPE	1AF-	203	F
LCNSEIXE	S/N SYSTEM/EI LCN	18XL-	199	F
ALCSEIXE	S/N SYSTEM/EI ALC	2NF-	019	F
LTSEIXE	S/N SYSTEM/EI LCN TYPE	1AF-	203	F
FRSNUMXE	S/N SERIAL NUMBER FROM	10XL-	373	F
TOSNUMXE	S/N SERIAL NUMBER TO	10XL-	373	F

40.6 Table XF. LCN to System/End Item Usable On Code. This table contains LCNs and System/EI LCNs in order to determine the associated UOC for the LCN. This table and table HO (for provisioning) are critical to qualify an LCN for report requests when a specific UOC is required for report selection. Table keys include all columns.

a. Table keys LSACONXF, ALTLCNXF, and LCNTYPXF originate in table XB. Table keys LCNSEIXF, ALCSEIXF, and LTYSEIXF migrate from table XC. EIACODXA is identical for keys from tables XB and XC for a given row of data.

b. Rows of information from this table with LCNTYPXF and LTYSEIXF of "P" must match entries in table HO, when this table is established.

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
EIACODM	END ITEM ACRONYM CODE	10XL-	096	F
LSACONXF	UOC ITEM LSA CONTROL NUMBER (LCN)	18 X L -	199	F
ALTLCNXF	UOC ITEM ALTERNATE LCN CODE	2NF-	019	F
LCNTYPXF	UOC ITEM LCN TYPE	1AF-	203	F
LCNSEIXF	UOC SYSTEM/EI LCN	18XL-	199	F
ALCSEIXF	UOC SYSTEM/EI ALC	2NF-	019	F
LTYSEIXF	Uoc SYSTEM/EI LCN TYPE	1AF-	203	F

40.7 Table XG, Functional/Physical LCN Mapping. This table contains a cross-listing of functional/physical LCNs. All data, except EIACODIM, originate in

measurement base (MB). There can be multiple tables depending upon the annual operating requirements (AOR) MB. Table keys consist of EIAC (EIACODXA), LCN (LSACONXB), ALC (ALTLCNXB), LCN Type (LCNTYPXB), and AOR (MEASBSAG). For a given row of information, the following cross-element edits apply to table AG:

a. AOR (ANOPREAG) and AOR MB (MEASBSAG) must either both be blank, or have entries.

b. Reliability Operational Requirements Indicator (OPRQINAG) must match Operational Requirements Indicator (OPRQINAB) in Table AB for the given keys. The keys consist of EIAC (EIACODXA), LCN (LSACONXB), ALC (ALTLCNXB), and LCN Type (LCNTYPXB).

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	10XL-	E	Y
LSACONXB	LSA CONTROL NUMBER (LCN)	18XL-	199	F
ALTLCNXB	ALTERNATE LCN CODE	2NF-	019	F
LCNTYPXB	LCN TYPE	1AF-	203	F
MEASBSAG	ANNUAL OPERATING REQUIREMENT MEASUREMENT BASE	lAF-	238	K
ANOPREAG	ANNUAL OPERATING REQUIREMENT	6NR-	023	M
OPRQINAG	RELIABILITY 0PERATIONAL REQUIREMENTS INDICATOR	1AF-	275	M
OPMTBFAG	REQUIRED OPERATIONAL MEAN TIME BETWEEN FAILURES	10D--	229	
TEMTBFAG	REQUIRED TECHNICAL MEAN TIME BETWEEN FAILURES	10D--	229	
OPMRBMAG	REQUIRED OPERATIONAL MEAN TIME BETWEEN MAINTENANCE ACTIONS	10D--	230	
TMTBMAAG	REQUIRED TECHNICAL MEAN TIME BETWEEN MAINTENANCE ACTIONS	10D--	230	
MTBRXXAG	REQUIRED MEAN TIME BETWEEN REMOVALS	10D--	235	

50.8 Table AH, InteroperabilitY Requirement. This table identifies item name, national stock number (NSN), and the TM of the system/equipment with which the new system/equipment must be able to be transported by/interoperate with. Table keys consist of EIAC (EIACODXA), LCN (LSACONXB), ALC (ALTLCNXB), LCN Type (LCNTYPXB), Interoperable Item Name (IONAMEAH), and Interoperable Item Number Type (IOINTYAH). For a given row of information, the following cross-element edits apply to table AH:

a. Interoperable CAGE Number (IOCAGEAH) and Interoperable Reference Number (IOREFNAH) must either both be blank, or both have entries.

b. Interoperable Item National Item Identification Number (IONIINAH) and Interoperable Item NSN Federal Supply Classification (IONFSCAH) must either both be blank, or both have entries.

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	10XF-	K	T
LSACONXB	LSA CONTROL NUMBER (LCN)	18XL-	199	F
ALTLCNXB	ALTERNATE LCN CODE	2NF-	019	F
LCNTYPXB	LCN TYPE	1AF-	203	F

IONAMEAH	INTEROPERABLE ITEM NAME	19XL-	182	K
IOINTYAH	INTEROPERABLE ITEM NUMBER TYPE	1AF-	266	K
IOCAGEAH	INTEROPERABLE CAGE CODE	5XF-	046	
IOREFNAH	INTEROPERABLE REFERENCE NUMBER	32XL-	337	
IONIINAH	INTEROPERABLE ITEM NATIONAL ITEM IDENTIFICATION NUMBER	9NF-	253	
IONFSCAH	INTEROPERABLE ITEM NATIONAL STOCK NUMBER FEDERAL SUPPLY CLASSIFICATION	4NF-	253	
IOITNMAH	INTEROPERABLE ITEM TECHNICAL MANUAL NUMBER	30XL-	440	

50.9 Table AI, Modeling Data. This table documents maintenance level specific information, for a given service designator code, to be used for LSA modeling. Table keys consist of EIAC (EIACODXA), Modeling Service Designator Code (SERDESAA), and Modeling O/M Level Code (OMLVLAI).

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	10XF-	G	T
SERDESAI	MODELING SERVICE DESIGNATOR CODE	1AF-	376	K
OMLVLCAI	MODELING OPERATIONS AND MAINTENANCE LEVEL CODE	1AF-	277	K
LABRATAI	LABOR RATE	4NR2	189	
NOSHPSAI	NUMBER OF SHOPS	2NR-	263	
RPWSCSAI	REPAIR WORK SPACE COST	4NR2	352	
RQDSTKAI	REQUIRED DAYS OF STOCK	3NR-	357	

50.10 Table AJ, Operations and Maintenance Shipping Requirement. This table identifies the O/M level from which a spare/repair part is shipped and the O/M level which receives the part. Table keys consist of EIAC (EIACODXA), LCN (LSACONXB), ALC (ALTLCNXB), LCN Type (LCNTYPXB), O/M Level From (OMLVLFAJ), O/M Level To (OMLVLTAJ).

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	10XL-	K	T
LSACONXB	LSA CONTROL NUMBER (LCN)	18xL-	199	F
ALTLCNXB	ALTERNATE LCN CODE	2NF-	019	F
LCNTYPXB	LCN TYPE	1AF-	203	F
OMLVLFAJ	OPERATIONS AND MAINTENANCE LEVEL FROM	1AF-	277	K
OMLVLTAJ	OPERATIONS AND MAINTENANCE LEVEL TO	1AF-	277	K
SHPDISAJ	SHIP DISTANCE	4NR-	**085**	
TIMESHAJ	SHIP TIME	3NR-	**379**	

50.11 Table AK, System/End Item Narrative. This table may be used to identify Additional Supportability Considerations, Additional Supportability Parameters, and Operational Mission Failure Definition. Table keys consist of EIAC (EIACODXA), LCN (LSACONXB), ALC (ALTLCNXB), LCN Type (LCNTYPXB), System/EI Narrative Code (SEINCDAK), and System/EI Narrative Text Sequencing Code (TEXSEQAK).

a. If the System/EI Narrative Code (SEINCDAK) is (B), then this table provides a narrative description of additional supportability considerations for the item under analysis (Additional Supportability Considerations, DED 010).

b. If the System/EI Narrative Code (SEINCDAK) is (A), then this table describes additional supportability parameters which will specify data elements and associated data when discrete fields are not provided (Additional Supportability Parameters, DED 011).

c. If the System/EI Narrative Code (SEINCDAK) is (C), then this table provides a narrative of the guidelines to be followed when defining operational mission failures (Operational Mission Failure Definition, DED 274).

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	10XF-	E	T
LSACONXB	LSA CONTROL NUMBER (LCN)	18XL-	199	F
ALTLCNXB	ALTERNATE LCN CODE	2NF-	019	F
LCNTYPXB	LCN TYPE	1AF-	203	F
SEINCDAK	SYSTEM END ITEM NARRATIVE CODE	1AF-	424	K
TEXSEQAK	SYSTEM END ITEM NARRATIVE TEXT SEQUENCING CODE	5NR-	450	K
SEINAMK	SYSTEM END ITEM NARRATIVE	65X--	---	

60. ITEM RELIABILITY, AVAILABILITY, AND MAINTAINABILITY CHARACTERISTICS; FAILURE MODES EFFECTS AND CRITICALITY ANALYSIS; AND, MAINTAINABILITY ANALYSIS. Data tables beginning with "B" in the first position **of** the table code are structured to provide a description of the function of-each item of the end item; outline the maintenance concept to be utilized for design and support planning purposes; and, identify any design conditions such as fail safe requirements/environmental or nuclear hardness considerations imposed upon the system. The tables summarize the item reliability, maintainability, and related availability characteristics of the item resulting from the failure modes and effects, criticality, and maintainability analyses, and accommodate a narrative description of any analysis related to the potential redesign or an item. Figure 6 depicts the relational hierarchy of these tables/entities.

TABLE CODE	TABLE TITLE
BA	Reliability, Availability, and Maintainability Characteristics
BB	Reliability, Availability, and Maintainability Characteristics Narrative
BC	Reliability, Availability, and Maintainability Logistics Considerations
BD	Reliability, Availability, and Maintainability Indicator Characteristics
BE	War/Peace Reliability, Availability, and Maintainability Indicator Characteristics
BF	Failure Mode and Reliability Centered Maintenance Analysis
BG	Failure Mode and Reliability Centered Maintenance Narrative
BH	Failure Mode Task
BI	Failure Mode Indicator Mission Phase Code Characteristics
M	Failure Mode Indicator Mission Phase Code Characteristics Narrative
BK	Reliability, Availability, and Maintainability Criticality
BL	Mission Phase Operational Mode

60.1 Table BA, Reliability, Availability and Maintainability Characteristics. This table contains logistics considerations, maintenance, and reliability characteristics of the item under analysis. Table keys consist of EIAC (EIACODXA), LCN (LSACONXB), ALC (ALTLCNXB), and LCN Type (LCNTYPXB). For a given row of information, the following cross-element edits apply to table BA:

The RAM area can only be used if a (Y) is entered in the RAM Indicator (RAMINDXB) Table XB.

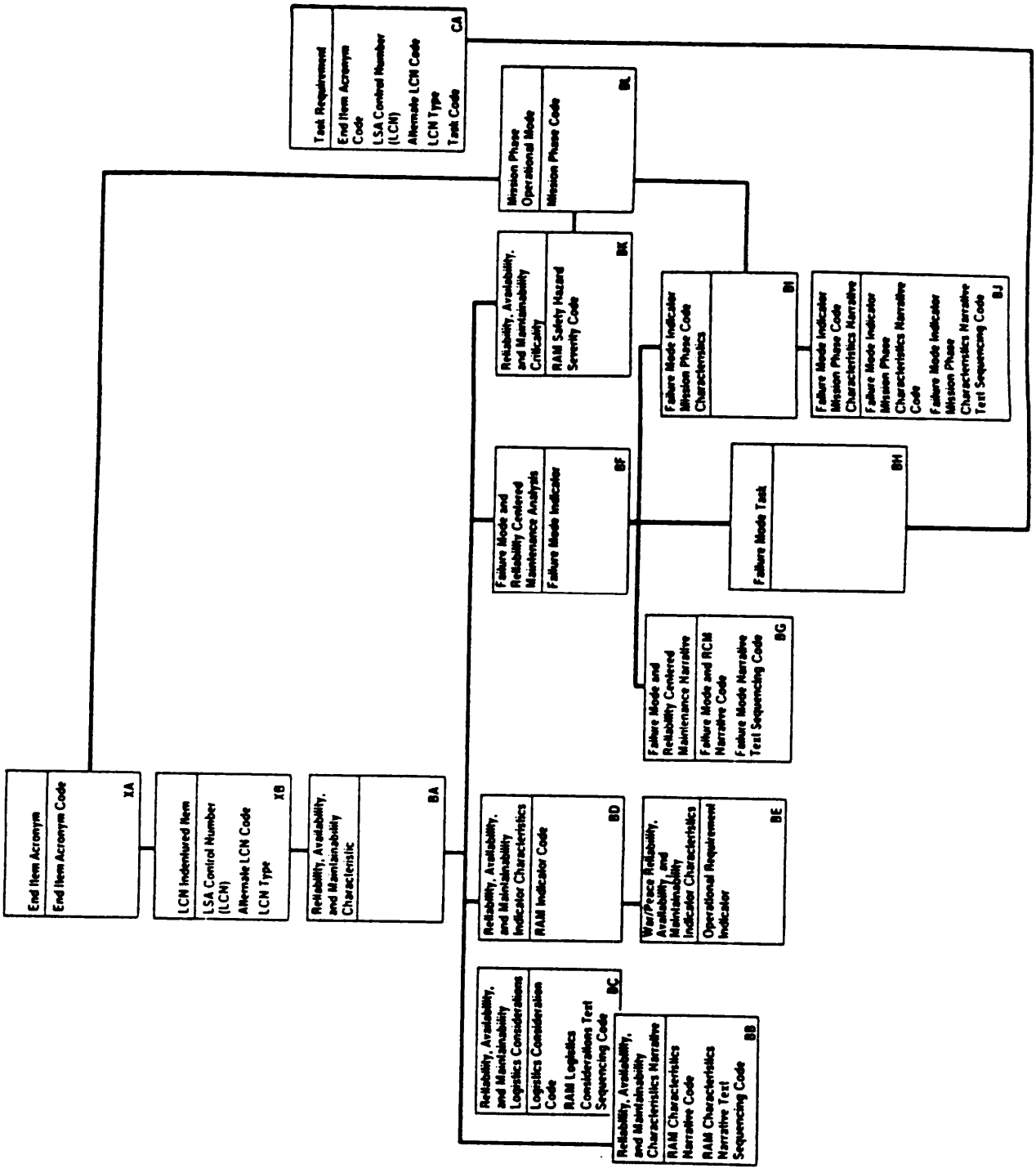


FIGURE 6. B table relationships.

b. Fault Isolation Percent Failure Group 1 (FIPFGABA) is not allowed without Fault Isolation Ambiguity Group 1 (FIAMBABA).

c. The combination in (b) is not allowed without Built in Test (BIT) Detection Level Percent group 1 (BDLPGABA).

d. That which applies for the combinations in Group 1 (b, c) also applies to the combination in group 2.

e. Wearout Life (WEOULIBA) and Wearout Life MB (WOLIMBBA) must either both be blank, or have entries.

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	10XL-	E	T
LSACONXB	LSA CONTROL NUMBER (LCN)	18XL-	199	F
ALTLCNXB	ALTERNATE LCN CODE	2NF-	019	F
LCNTYPXB	LCN TYPE	1AF-	203	F
MEQLINBA	MINIMUM EQUIPMENT LIST INDICATOR	1AF-	243	
CONVFABA	CONVERSION FACTOR	5N--	059	
FIAMBABA	FAULT ISOLATION AMBIGUITY GROUP 1	2NR-	143	
FIPFGABA	FAULT ISOLATION PERCENT FAILURE GROUP 1	3NR1	143	
BDLPGABA	BUILT IN TEST DETECTABILITY LEVEL PERCENTAGE PER GROUP 1	2NR-	032	
FIAMBBBA	FAULT ISOLATION AMBIGUITY GROUP 2	2NR-	143	
FIPFGBBA	FAULT ISOLATION PERCENT FAILURE GROUP 2	3NR1	143	
BDLPGBBA	BUILT IN TEST DETECTABILITY LEVEL PERCENTAGE PER GROUP 2	2NR-	032	
BITNDPBA	BUILT IN TEST CANNOT DUPLICATE PERCENTAGE	2NR-	031	
BITROPBA	BUILT IN TEST RETEST OK PERCENT	2NR-	033	
FRDATABA	FAILURE RATE DATA SOURCE	32X--	141	
PREOVCBA	PILOT REWORK OVERHAUL CANDIDATE	1AF-	292	
SECCLEBA	SECURITY CLEARANCE	1NF-	369	
SUPCONBA	SUPPORT CONCEPT	1AF-	410	
WEOULIBA	WEAROUT LIFE	6NR-	505	
WOLIMBBA	WEAROUT LIFE MEASUREMENT BASE	1AF-	238	
LOGSTABA	LOGISTIC CONSIDERATIONS STANDARDIZATION	1AF-	196	
LOGACCBA	LOGISTIC CONSIDERATIONS ACCESSIBILITY	1AF-	196	
LOGMAIBA	LOGISTIC CONSIDERATIONS MAINTENANCE EASE	1AF-	196	
LOGSAFBA	LOGISTIC CONSIDERATIONS SAFETY	1AF-	196	
LOGTEPBA	LOGISTIC CONSIDERATIONS TEST POINTS	1AF-	196	
LOGSKIBA	LOGISTIC CONSIDERATIONS SKILLS	1AF-	196	
LOGTRABA	LOGISTIC CONSIDERATIONS TRAINING	1AF-	196	
LOGCONBA	LOGISTIC CONSIDERATIONS	1AF-	196	

	CONNECTORS		
LOGPATBA	LOGISTIC CONSIDERATIONS PACKAGING AND TRANSPORTATION	1 A F -	196
LOGFLOBA	LOGISTIC CONSIDRATION FAULT LOCATION	1 AF -	196
LOGLABBA	LOGISTIC CONSIDERATIONS LABELING	1 A F -	196
LOGDSPBA	LOGISTIC CONSIDERATIONS DESIGN FOR SELF PROTECTION	1 A F -	196
LOGCRCBA	LOGISTIC CONSIDERATIONS CORROSION/RUST CONTROL	1 A F -	196

60.2 Table BB, Reliability, Availability, and Maintainability Characteristics Narrative. This table may be used to identify RAM Item Functions, RAM Maintenance Concepts, RAM Minimum Equipment List, and RAM Qualitative and Quantitative Maintainability Requirements. Table keys consist of EIAC (EIACODXA), LCN (LSACONXB), ALC (ALTLCNXB), LCN Type (LCNTYPXB), RAM Characteristics Narrative Code (RAMCNABB), and RAM Narrative Text Sequencing Code (TEXSEQBB). For a given row of information, the following cross-element edits apply to table BE:

a. If the RAM Characteristics Narrative Code (RAMCNABB) is (A), then this table identifies the function, specification, and tolerances of the item under analysis (RAM Item Function, DED 180).

b. If the RAM Characteristics Narrative Code (RAMCNABB) is (B), then this table describes the broad, planned approach to be employed in sustaining the system/equipment at a defined level of readiness, or in a specified condition in support of the operational requirement (RAM Maintenance Concept, DED 207).

c. If the RAM Characteristics Narrative Code (RAMCNABB) is (C), then this table specifies any limitations on the end item when dispatched on its assigned mission with the item under analysis inoperative (RAM Minimum Equipment List Narrative, DED 244). RAM Minimum Equipment List Narrative (MEQIJWIBB) is not allowed without a (y) selected in table BA for the attribute RAM Minimum Equipment List Indicator (MEQLINBA).

d. If the RAM Characteristics Narrative Code (RAMCNABB) is (D), then this table describes the maintainability design constraints and characteristics that must be considered during the design process, to include fail safe requirements, environmental considerations, and nuclear hardened characteristics (RAM Qualitative and Quantitative Maintainability Requirements, DED 315).

e. If the RAM Characteristics Narrative Code (RAMCNABB) is (E), then this table describes the support data and analysis used in preparation of the maintenance plan (Maintenance Plan Rationale, DED 210).

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	1 0 X L -	K	T
LSACONXB	LSA CONTROL NUMBER (LCN)	1 8 X L -	199	F
ALTLCNXB	ALTERNATE LCN CODE	2 N F -	019	F
LCNTYPXB	LCN TYPE	1 A F -	203	F

RAMCNABB	RELIABILITY AVAILABILITY AND MAINTAINABILITY (RAM) CHARACTERISTICS NARRATIVE CODE	1AF-	341	K
TEXSEQBB	RAM CHARACTERISTICS NARRATIVE TEXT SEQUENCING CODE	5NR-	450	K
RAMNARBB	RAM CHARACTERISTICS NARRATIVE	65X--	---	

60.3 Table BC, Reliability, Availability, and Maintainability Logistics Considerations. This table contains narrative information associated with logistics considerations. Table keys consist of EIAC (EIACODXA), LCN (LSACONXB), ALC (ALTLCNXB), LCN Type (LCNTYPXB), Logistics Consideration Code (IXICOCOBC), and RAM Logistics Considerations Text Sequencing Code (TEXSEQBC).

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	10XL-	096	T
LSACONXB	LSA CONTROL NUMBER (LCN)	18XL-	199	F
ALTLCNXB	ALTERNATE LCN CODE	2NF-	019	F
LCNTYPXB	LCN TYPE	1AF-	203	F
LOCOCOBC	LOGISTICS CONSIDERATION CODE	1XF-	425	K
TEXSEQBC	RELIABILITY AVAILABILITY AND MAINTAINABILITY (RAM) LOGISTICS CONSIDERATIONS TEXT SEQUENCING CODE	5NR-	450	K
IDGNARBC	RAM LOGISTICS CONSIDERATIONS	65X--	426	

60.4 Table BD, Reliability, Availability, and Maintainability Indicator Characteristics. This table contains reliability and maintainability characteristics of the item under analysis categorized by comparative analysis, allocated, predicted, or measured values. Table keys consist of EIAC (EIACODXA), LCN (LSACONXB), ALC (ALTLCNXB), LCN Type (LCNTYPXB), and RAM Indicator Code (RAMINDBD). For a given LCN, ALC, and LCN Type combination, each different measurement base must remain constant for all RAM Indicator Codes (RAMINDBD). For a given row of information, the following cross-element edits apply to table BD:

a. Failure Rate (FAILRTBD) and Failure Rate MB (FARAMBBD) must either both be blank, or have entries.

b. Percentile (PERCENBD) is not allowed without a Maximum Time to Repair (MAXTTRBD).

c. Mean Time Between Failures Operational (OPMTBFBD) and Mean Time Between Failures Operational MB (OM'SBF!4BD) must either both be blank, or have entries.

d. Mean Time Between Failures Technical (TEMTBFBD) and Mean Time Between Failures Technical MB (TMTBFMBD) must either both be blank, or have entries.

e. Mean Time Between Maintenance Actions Operational (OMTBMABD) and Mean Time Between Maintenance Actions Operational MB (OMTBMMBD) must either both be blank, or have entries.

f. Mean Time Between Maintenance Actions Technical (TMTBMABD) and Mean Time Between Maintenance Actions Technical MB (TMTBMMBD) must either both be

b. Unscheduled task codes, task interval codes of "F", "G", or "J" (2d position of the task code), must have an MB entered which corresponds to the MB for the AOR. For this reason, the AOR LCN (AORLCNCA), AOR ALC (AORALCCA), AOR LCN Type (AORTYPCA), and the AOR MB (AORMSBCA) must match with a set of by values already established in Table AG.

c. Every Task Code (TASKCDCA) must have a Task ID (TASKIDCA).

d. Secondary Means of Detection (SMDTECCA) is not allowed without Primary Means of Detection (PMDTECCA).

e. Up to three Performance Standards (PRSTDACA, PRSTDBCA, PRSTDCCA) and Task Conditions (TCONDACA, TCONDBCA, TCONDCCA) can be entered for a given record.

f. Every task code requires a corresponding task frequency.

g. If the Facility Requirement Code (FTRNRQCA) is "Y", the Facility tables (F tables) should be addressed.

h. Up to four Training Location Rationale (TRNLOCCA) codes may be entered for each unique combination of LCN, EIAC, ALC, LCN Type, and task code (codes must be entered in a continuous string).

i. Up to four Training Rationale (TRNRATCA) codes may be entered for each unique combination of LCN, EIAC, ALC, LCN Type and task code (codes must be entered in a continuous string).

j. Measured Mean Man-Hours (MSDMMHCA) are calculated by summing the Mean Man-Minutes (SUBMMMCD) per Person ID for the given task (see DED 225) and dividing by 60.

k. Measured Mean Elapsed Time (MSDMETCA) is calculated by summing the Mean Minute Elapsed Times (SBMMETCB) for all subtasks of a task (see DED 225) and dividing by 60.

l. Task Frequency (corrective) shall be calculated based on Failure Mode Ratio (Table BF), Failure Rate (Table BD), Mean Time Between Maintenance Induced (Table BD), Mean Time Between Maintenance No Defect (Table BD), Conversion Factor (Table BA), and Annual Operating Requirements (Table AG). Task Frequency (preventive) shall be calculated based on Annual Operating Requirements (Table AG), Conversion Factor (Table BA), Maintenance Interval (Table BH), or Task Interval Code (Table CA). A change in any of these variables shall result in an update of Task Frequency (Table CA).

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	10XL-	096	F
LSACONXB	LSA CONTROL NUMBER (LCN)	18XL-	199	F
ALTLCNXB	ALTERNATE LCN CODE	2NF-	019	F
LCNTYPXB	LCN TYPE	1AF-	203	F
TASKCDCA	TASK CODE	7XF-	427	K
REFEIACA	REFERENCED END ITEM ACRONYM CODE	10 X L -	096	

REFLCNCA	REFERENCED LCN	18XL-	199
REFALCCA	REFERENCED ALTERNATE LCN CODE	2XL-	019
REFTYPCA	REFERENCED LCN TYPE	1AF-	203
REFTSKCA	REFERENCED TASK CODE	7XF-	427
AORLCNCA	ANNUAL OPERATING REQUIREMENT (AOR) LCN	18XL-	199
AORALCCA	AOR ALC	2NF-	019
AORTYPCA	AOR LCN TYPE	1AF-	203
AORMSBCA	TASK AOR MEASUREMENT BASE	1AF-	238
TASKIDCA	TASK IDENTIFICATION	36XL-	431
TSKFRQCA	TASK FREQUENCY	7NR4	430
TSKCRCCA	TASK CRITICALITY CODE	1AF-	429
HRDCPCCA	HARDNESS CRITICAL PROCEDURE CODE	1AF-	152
HAZMPCCA	HAZARDOUS MAINTENANCE PROCEDURES CODE	1AF-	155
PMCSIDCA	PREVENTIVE MAINTENANCE CHECKS AND SERVICES INDICATOR CODE	1AF-	296
MSDMETCA	MEASURED MEAN ELAPSED TIME	5NR2	224
PRDMETCA	PREDICTED MEAN ELAPSED TIME	5NR2	224
MSDMMHCA	MEASURED MEAN MAN HOURS	5NR2	225
PRDMMHCA	PREDICTED MEAN MAN HOURS	5NR2	225
PMDTECCA	PRIMARY MEANS OF DETECTION	1AF-	237
SMDTECCA	SECONDARY MEANS OF DETECTION	1AF-	237
FTRNRQCA	FACILITY REQUIREMENT CODE	1AF-	358
TRNRQCCA	TRAINING EQUIPMENT REQUIREMENT CODE	1AF-	358
TRNRECCA	TRAINING RECOMMENDATION TYPE	1AF-	463
TRNLOCCA	TRAINING LOCATION RATIONALE	4AL-	461
TRNWTCA	TRAINING RATIONALE	4AL-	462
TSEREQCA	TOOL/SUPPORT EQUIPMENT REQUIREMENT CODE	1AF-	358
PRSTDACA	TASK PERFORMANCE STANDARD A	1AF-	287
PRSTDBCA	TASK PERFORMANCE STANDARD B	1AF-	287
PRSTDCCA	TASK PERFORMANCE STANDARD C	IAF-	287
TCONDACA	TASK CONDITION A	IAF-	428
TCONDBCA	TASK CONDITION B	IAF-	428
TCONDCCA	TASK CONDITION C	IAF-	428

70.2 Table CB, Subtask Requirement. This table contains data related to the subtask level such as Work Area Code and Mean Minute Elapsed Time. All task narrative will be written at the subtask level, then rolled ***into*** the task level. It is possible to reference subtask descriptions within this table. Table keys consist of LCN (LSACONXB), LCN Type (LCNTYPXB), ALC (ALTLCNXB), EIAC (EIACODXA), Task Code (TASKCDCA), and Subtask Number (SUBNUMCB).

a. For referencing purposes, Referenced Subtask Number (RFDSUBCB), Referenced Subtask Task Code (RFDTCDCB), Referenced Subtask LCN (RFDLCNCB), Referenced Subtask ALC (RFDALCCB), Referenced Subtask LCN Type (RFDALCCB), and Referenced Subtask EIAC (RFDEIACB) must be included as nonidentifying keys. This referencing capability should only be used when the data of this table and the subordinate tables SEQUENTIAL TASK DESCRIPTION and SUBTASK PERSONNEL REQUIREMENTS (tables CC and CD) are the same for referenced and referencing subtasks. All non-key attributes in table CB and it's subordinate tables (CC and CD) are pulled from the referenced subtask and it's subordinate tables.

NOTE: Every Task Remark Reference Code and Task Remark combination is unique across all rows of information for a given EIAC. In other words, for the same EIAC, a given Task Remark Reference Code can only correspond to one Task Remark statement throughout the file structure.

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	10XL-	096	F
TSKRRCCE	TASK REMARK REFERENCE CODE	2XF-	349	K
TSKREMCE	TASK REMARK	240X-	432	

70.6 Table CF, Task Remark Reference. This table serves as a tie-in table between the TASK REQUIREMENT table (CA) and the TASK REMARK table (CE). Table keys consist of LCN (LSACONXB), LCN Type (LCNTYPXB), ALC (ALTLCNXB), EIAC (EIACODXA), and Task Code (TASKCDCA), which are migrated from table CA and the Task Remark Reference Code (TSKRRCCE), which migrates from table CE. EIACODXA from tables CA and CE must always be identical, therefore, duplication of that key in this table is not needed.

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	10XL-	096	F
LSACONXB	LSA CONTROL NUMBER (LCN)	18XL-	199	F
ALTLCNXB	ALTERNATE LCN CODE	2NF-	019	F
LCNTYPXB	LCN TYPE	1AF-	203	F
TASKCDCA	TASK CODE	7XF-	427	F
TSKRRCCE	TASK REMARK REFERENCE CODE	2XF-	349	F

70.7 Table CG, Task Support Equipment. This table contains information which relates data needed for the task under analysis to the Support Equipment (SE) tables . This table serves as the tie-in between Task Analysis and SE areas for data which is to be incorporated into the LSA-070 series of reports (e.g., LSA-070, 072, 074, etc.). Table keys consist of LCN (LSACONXB), LCN Type (LCNTYPXB), ALC (ALTLCNXB), EIAC (EIACODXA), Task Code (TASKCDCA), Task Support Reference Number (TSFEFNCG), and Task Support CAGE Code (TSCAGECG).

a. In a given row, Quantity Per Task and Quantity Per Task Unit of Measure must either both be blank, or both have entries.

b, Based on the definitions for Item Category Codes (ICC) (DED 177), it is recommended that only items which fall under the following ICCs (identified in table EA by SEICCDEA) be entered in this table: 7, 8, M, D, 1, H, 4, 5, 6, 2, G, N, P, R, 3, S, T, E, F, J, U, V, AC, AD, and AF.

c. If the Training Equipment Requirement Code (TRNRQCCA) in table CA is "Y" for the subject LCN, ALC, and Task Code, at least one item of support equipment identified by the Task Support Reference Number (TSREFNCG) must have an ICC (SEICCDW) of "S", "T", or "AF" entered against it in the EA table (match TSREFNCG and TSCAGECG with SEREFNEA and SECAGEEA, then check ICC).

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	10XL-	096	F

LSACONXB	LSA CONTROL NUMBER (LCN)	18XL-	199	F
ALTLCNXB	ALTERNATE LCN CODE	2NF-	019	F
LCNTYPXB	LCN TYPE	1AF-	203	F
TASKCDCA	TASK CODE	7XF-	427	F
TSCAGECG	TASK SUPPORT CAGE CODE	5XF-	046	F
TSREFNCG	TASK SUPPORT REFERENCE NUMBER	32XL-	337	F
SQTYTKCG	SUPPORT ITEM QUANTITY PER TASK	5NR2	319	
SQTKUMCG	SUPPORT ITEM QUANTITY PER TASK UNIT OF ME4SURE	2AF-	491	

70.8 Table CH, Task Manual. This table ties in the narrative for the task under analysis to the corresponding Technical Manual (TM) which will contain the narrative. Table keys consist of LCN (LSACONXB), LCN Type (LCNTYPXB), ALC (ALTLCNXB), EIAC (EIACODXA), Task Code (TASKCDCA), and TM Code (TMCODEXI).

CODE	DATA ELEMENT TITLE	Format	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	10XL-	096	F
LSACONXB	LSA CONTROL NUMBER (LCN)	18XL-	199	F
ALTLCNXB	ALTERNATE LCN CODE	2NF-	019	F
LCNTYPXB	LCN TYPE	1AF-	203	F
TASKCDCA	TASK CODE	7XF-	427	F
TMCODEXI	TECHNICAL MANUAL CODE	3XF-	437	F

70.9 Table CI, Task Provisioned Item. This table will be used to obtain data from the Task Analysis area, which will be used in determining provisioning technical factors. In other words, this table links the provisioning area directly to the task area. This table should be used for documenting spares and repair parts needed in support of the subject task. Table keys consist of Task LCN (TSKLCNCI), Task LCN Type (TSKLTYCI), Task ALC (TSKALCCI), and Task Provison Task Code (TSKTCDCI), which are migrated from table CA and Task Provision LCN (PROLCNCI), Task Provision ALC (PROALCCI), Task Provision LCN Type (PROLTYCI), Task Provision CAGE Code (PROCAGCI), and Task Provision Reference Number (PROREFCI), which migrate from table HG. The EIACS (EIACODXA), which are resident in tables CA and HG, must be identical.

a. In a given row, Quantity Per Task and Quantity Per Task Unit of Measure must either both be blank, or both have entries.

b. For task code functions (lst position of Task Code) of H, there must be one Task Provision LCN that matches the Task LCN for all items required to support subject task (i.e., remove/replace of that LCN).

c. Based on definitions for ICCS (DED 177), it is recommended that only items which fall under the following ICCS be entered in this table (identified in table HG by ITMCATHG): Q, W, X, Y, Z, 9, K, L, M, AB, AD, and AE.

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	10XL	096	F
TSKLCNCI	TASK LSA CONTROL NUMBER (LCN)	18XL	199	F
TSKALCCI	TASK ALTERNATE LCN CODE (ALC)	2NF	019	P

TSKLTYCI	TASK LCN TYPE	1 A F	203	F
TSKTCDCI	TASK PROVISION TASK CODE	7 X F	427	F
PROCAGCI	TASK PROVISION CAGE CODE	5 X F	046	F
PROREFCI	TASK PROVISION REFERENCE NUMBER	32 X L	337	F
PROLdNCI	TASK PROVISION LCN	18XL	199	F
PROALCCI	TASK PROVISION ALC	2 N F	019	F
PROLTYCI	TASK PROVISION LCN TYPE	1 A F	203	F
PQTYTKCI	PROVISION QUANTITY PER TASK	5 N R 2	319	
PQTKUMCI	PROVISION QUANTITY PER TASK UNIT OF MEASURE	2 A F	491	

70.10 Table CJ, Job and Duty Assignments. This table should be used to document jobs and duties personnel perform in a system. Documentation in this table is required if the Task Inventory report (LSA-018) is to be processed. Key data elements are Job Code (JOBCODCJ) and Duty Code (DUTYCDCJ).

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
JOBCODCJ	JOB CODE	2 X L -	186	K
DUTYCDCJ	DUTY CODE	4 X L -	091	K
JOBDESCJ	JOB	40XL-	185	
DUTIESCJ	DUTY	240XL-	090	

70.11 Table CK, Task Inventory. This table is used as a cross reference to produce the Task Inventory report (LSA-018). Tables CC, CD, and CJ are combined in this cross reference table to identify the tasks, subtasks, and elements that are required for a given Job and Duty. Table keys include all columns. EIACODXA, LSACONXB, ALTLCNXB, LCNTYPXB, TASKCDCA, and SUBNUMCB must be identical for tables CC and CD, migrating SUBPIDCD. Text Sequence Code From (TSFROMCK) and Text Sequence Code To (TEXTTOCK) migrate from TEXSEQCC, and therefore, each must match with a TEXSEQCC value for the given subtask.

a. JOBCODCJ and DUTYCDCJ must exist in table CJ prior to table CK.

b. For a given task, Job Code (JOBCODCJ) must have a unique Person ID (SUBPIDCD).

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
JOBCODCJ	JOB CODE	2 X L -	186	F
DUTYCDCJ	DUTY CODE	4 X L -	091	F
EIACODXA	END ITEM ACRONYM CODE	10XL-	096	F
LSACONXB	LSA CONTROL NUMBER (LCN)	18XL-	199	F
ALTLCNXB	ALTERNATE LCN CODE	2 N F -	019	F
LCNTYPXB	LCN TYPE	1 A F -	203	F
TASKCDCA	TASK CODE	7 X F -	427	F
SUBNUMCB	SUBTASK NUMBER	3 N F -	407	F
TSFROMCK	SEQUENTIAL SUBTASK DESCRIPTION TEXT SEQUENCING CODE FROM	5 N R	450	F
TEXTTOCK	SEQUENTIAL SUBTASK DESCRIPTION TEXT SEQUENCING CODE TO	5 N R	450	F
SUBPIDCD	SUBTASK PERSON IDENTIFIER	3 X L -	288	F

80. SUPPORT EQUIPMENT AND TRAINING MATERIEL REQUIREMENTS. Data tables identified, by an "E" in the first position of the table code are structured to consolidate the pertinent information related to existing or new support/test equipment; or training equipment. These tables contain most of the data that was captured on the old "E and El" records. Much of this information series as administrative type data for the Support Equipment Recommendation Data (SERD) report. This information also series as identification of hardware and software elements required to conduct off-line tests. Figure 8 provides an entity diagram of these tables.

TABLE CODE	TABLE TITLE
EA	Support Equipment
EB	Allocation Data
EC	Support Equipment Parameters
ED	Support Equipment Authorization
EE	Support Equipment Narrative
EF	Support Equipment Recommendation Data
EG	Support Equipment Recommendation Data Revision Remarks
EH	Alternate National Stock Numbers
EI	Input Power Source
EJ	Support Equipment Design Data
EK	Supersedure Data
EL	Support Equipment Integrated Logistic Support Requirement Category Code
EM	System Equipment

80.1 Table EA, Support Equipment. This table captures a large portion of data which occurs one time per support/training equipment item. This table is used as the foundation for support/training equipment documentation as a whole. Table keys are Support Equipment (SE) Reference Number (SEREFNEA) and SE CAGE Code (SECAGEEA).

a. If Adapter/Interconnection Device Required (AIDRQDEA) is "Y", tables UI and UJ must be completed.

b. If entries exist for Operating Dimensions or Weight, Storage Dimensions or Weight, or Support Equipment Shipping Dimensions or Weight, their respective units of measure must have entries also.

c. Up to eight Using Service Designator Codes (USESEREA) can be entered at one time in a continuous string. This capability allows for all possible

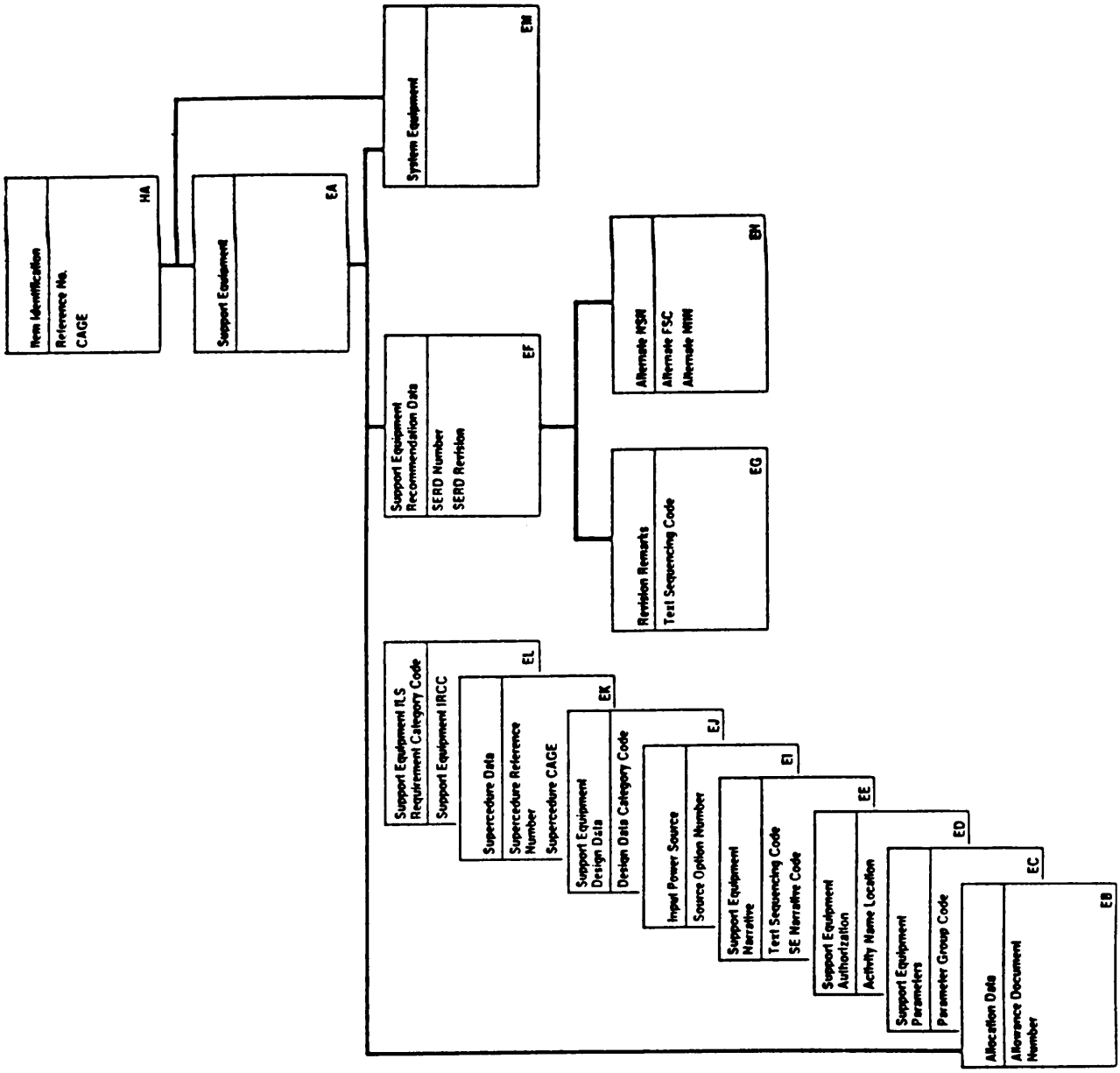


FIGURE 8. E table relationships.

combinations of using services to be entered.

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
SECAGEEA	SUPPORT EQUIPMENT CAGE CODE	5XF	046	F
SEREFNEA	SUPPORT EQUIPMENT REFERENCE NUMBER	32XL	337	F
FLITNMEA	SUPPORT EQUIPMENT FULL ITEM NAME	42XL	412	
SEICCDEA	SUPPORT EQUIPMENT ITEM CATEGORY CODE	2XL	177	
AQDCOFEA	ACQUISITION DECISION OFFICE	15XL	002	
ENDARTEA	END ARTICLE ITEM DESIGNATOR	26X-	179	
AIDRQDEA	ADAPTOR/INTERCONNECTION DEVICE REQUIRED	1AF	005	
DATFADEA	DATE OF FIRST ARTICLE DELIVERY	6NF	071	
CALINTEA	CALIBRATION INTERVAL	2NR	037	
CALITMEA	CALIBRATION ITEM	1AF	038	
CALRQDEA	CALIBRATION REQUIRED	1AF	040	
CALSTDEA	CALIBRATION STANDARD	1AF	041	
CALTIMEA	CALIBRATION TIME	5NR1	042	
CMRSRCEA	CALIBRATION MEASURMENT REQUIREMENT SUMMARY RECOMMEND	1AF	035	
CNTRNOEA	SUPPORT EQUIPMENT CONTRACT NUMBER	19XL	055	
CFEGFEEA	CONTRACTOR FURNISHED EQUIPMENT/ GOVERNMENT FURNISH EQUIPMENT	1AF	056	
CUSTCDEA	CUSTODY CODE	1AF	069	
DRWCLSEA	DRAWING CLASSIFICATION	3X--	088	
ECOANLEA	ECONOMIC ANALYSIS	1AF	093	
FAMGRPEA	FAMILY GROUP	10XL	142	
GENECDEA	GENERIC CODE	5XL	148	
GOVDESEA	GOVERNMENT DESIGNATOR	20XL	149	
HDWRPREA	HARDWARE DEVELOPMENT PRICE	8NR-	153	
ILSPRCEA	INTEGRATED LOGISTIC SUPPORT PRICE	8NR-	170	
DSNPRCEA	DESIGN DATA PRICE	8NR-	080	
EXUNPREA	EXTENDED UNIT PRICE	8NR-	103	
PASTHREA	PASS THRU PRICE	8NR-	285	
OSCOSTEA	OPERATING AND SUPPORT COST	8NR-	267	
RCURCSEA	RECURRING COST	8NR-	332	
LICYSTEA	LIFE CYCLE STATUS	1AF	190	
LIFSPNEA	LIFE SPAN	2NR	191	
UCTCDEA	LOGISTIC CONTROL CODE	1AF	197	
LGDCOFEA	LOGISTICS DECISION OFFICE	15XL	198	
LSARCDEA	LSA RECOMMENDATION CODE	1AF	204	
MGTPLNEA	MANAGEMENT PLAN	1AF	216	
MGCOATEA	MANAGING COMMAND/AGENCY	10XL	217	
SEMTBFEA	SUPPORT EQUIPMENT MEAN TIME BETWEEN FAILURES	10D--	229	
SMTBMAEA	SUPPORT EQUIPMENT MEAN TIME BETWEEN MAINTENANCE ACTIONS	10D--	230	
SEMTTREA	SUPPORT EQUIPMENT MEAN TIME TO REPAIR	5NR2	236	

MOBFACEA	MOBILE FACILITY CODE	1 A F	248
MODCHGEA	MODIFICATION OR CHANGE	1 A F	252
OPRHGTEA	OPERATING HEIGHT	4 N R 1	268
OPLENGEA	OPERATING LENGTH	4 N R 1	268
OPWIDTEA	OPERATING WIDTH	4 N R 1	268
OPRWGTEA	OPERATING WEIGHT	6 N R 1	270
LWHOUMEA	OPERATING DIMENSIONS UNIT OF MEASURE	2 A F -	491
WGTOUMEA	OPERATING WEIGHT UNIT OF MEASURE	2 A F -	491
PCBLVLEA	PRINTED CIRCUIT BOARD REPAIR OPERATIONS/MAINTENANCE LEVEL	1 A F	277
CALLVLEA	SUPPORT EQUIPMENT CALIBRATION OPERATIONS/MAINTENANCE LEVEL	1 A F	277
RPRLVLEA	SUPPORT EQUIPMENT (SE) REPAIR OPERATIONS/MAINTENANCE LEVEL	1 A F	277
SMRCSEEA	SE SOURCE, MAINTENANCE AND RECOVERABILITY CODE	6 X L -	389
TMRQCDEA	TECHNICAL MANUAL REQUIRED CODE	1 7 X L	441
OPRMANEA	OPERATORS MANUAL	1 6 X L	278
SSCOPREA	SKILL SPECIALTY CODE FOR SUPPORT EQUIPMENT OPERATOR	7 X L	387
PREATYEA	PREPARING ACTIVITY	2 5 X L	294
PROELEEA	PROGRAM ELEMENT	3 X L	301
PSICPOEA	PROGRAM SUPPORT INVENTORY CONTROL POINT	2 X F	303
SERICCIZA	REPORTABLE ITEM CONTROL CODE	1 N F	356
REVASSEA	REVOLVING ASSETS	4 X F	361
SLFTSTEA	SELF TEST CODE	1 A F	370
SENTRAEA	SENSORS OR TRANSDUCERS	1 A F	371
SERDESEA	SE SERVICE DESIGNATOR	1 A F	376
USESEREA	USING SERVICE DESIGNATOR CODE	8 A L	376
SKETCHEA	SKETCH	1 A F	383
SPRFACEA	SPARE FACTOR	4 X F	390
SPMGNTEA	SPECIAL MANAGMENT CODE	1 A F	393
SIASCNEA	STANDARD INTERSERVICE AGENCY SERIAL CONTROL NUMBER	7 X F	401
STOHGTEA	STORAGE HEIGHT	4 N R 1	405
STOLENEA	STORAGE LENGTH	4 N R 1	405
STOWDTEA	STORAGE WIDTH	4 N R 1	405
STOWGTEA	STORAGE WEIGHT	6 N R 1	406
LWHSUMEA	STORAGE DIMENSIONS UNIT OF MEASURE	2 A F -	491
WGTSUMEA	STORAGE WEIGHT UNIT OF MEASURE	2 A F -	491
SESHPHEA	SUPPORT EQUIPMENT SHIPPING HEIGHT	4 N R 1	419
SESHPLEA	SUPPORT EQUIPMENT SHIPPING LENGTH	4 N R 1	419
SESHPWEA	SUPPORT EQUIPMENT SHIPPING WIDTH	4 N R 1	419
SESHWTEA	SUPPORT EQUIPMENT SHIPPING WEIGHT	6 N R 1	420
UMSHIPEA	SUPPORT EQUIPMENT SHIPPING DIMENSIONS UNIT OF MEASURE	2 A F -	491

UMSEWTEA	SUPPORT EQUIPMENT SHIPPING WEIGHT UNIT OF MEASURE	2 A F -	491
$EGRCDEA	SUPPORT EQUIPMENT GROUPING	3 N F	413
SEREQDEA	SUPPORT EQUIPMENT REQUIRED	1 A F	418
TECEVLEA	TECHNICAL EVALUATION PRIORITY CODE	3 X F	435
TSTLNGEA	TEST LANGUAGE	6 A L	443
TSTPTSEA	TEST POINTS	1 A F	446
TMDERCEA	TEST MEASUREMENT AND DIAGNOSTIC EQUIPMENT REGISTER CODE	1 A F	444
TMDERIEA	TEST MEASUREMENT AND DIAGNOSTIC EQUIPMENT REGISTER INDEX NUMBER	7 X F	445
TYPCLSEA	TYPE CLASSIFICATION	1 A F	479
TYPEEQEA	TYPE EQUIPMENT CODE	4 X L	480
YRFLDGEA	YEAR OF FIELDING	2 N F	518

80.2 Table EB, Allocation Data. This table allows documenting of specific information relating allocation documents to discrete facility types and maintenance levels. Ten allowance ranges can be documented to describe the quantity of SE or Automatic Test Equipment (ATE) items necessary to support the number of end articles related to each discrete range of supported end item density. DED 015 dictates the value of each range for the number of pieces of: (a) end items; (b) ATE items; or, (c) depot overhaul requirements that the entered quantity of SE can support. Table keys are SE Reference Number (SEREFNEA), SE CAGE Code (SECAGEEA), and Allowance Document Number (ALDCNMEB).

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
SECAGEEA	SUPPORT EQUIPMENT (SE) CAGE CODE	5 X F	046	F
SEREFNEA	SE REFERENCE NUMBER	32XL	337	F
ALDCNMEB	ALLOWANCE DOCUMENT NUMBER	10XL	016	K
ALORG1EB	ALLOWABLE RANGE 1	3 N R -	015	
ALORG2EB	ALLOWABLE RANGE 2	3 N R -	015	
ALORG3EB	ALLOWABLE RANGE 3	3 N R -	015	
ALORG4EB	ALLOWABLE RANGE 4	3 N R -	015	
ALORG5EB	ALLOWABLE RANGE 5	3 N R -	015	
ALORG6EB	ALLOWABLE RANGE 6	3 N R -	015	
ALORG7EB	ALLOWABLE RANGE 7	3 N R -	015	
ALORG8EB	ALLOWABLE RANGE 8	3 N R -	015	
ALORG9EB	ALLOWABLE RANGE 9	3 N R -	015	
ALRG10EB	ALLOWABLE RANGE 10	3 N R -	015	
ALDNDSEB	ALLOCATION DESIGNATION DESCRIPTION	9 X L	015	
ALEXRNEB	ALLOCATION EXTENDED RANGE	3 X R	015	
ALLVCDEB	ALLOCATION LAND VESSEL CODE	1 A F	015	
ALMLVLEB	ALLOCATION MAINTENANCE LEVEL FUNCTION	2 X L	015	
ALSTIDEB	ALLOCATION STATION IDENTIFICATION CODE	5 X L	015	

80.3 Table EC, Support Equipment Parameters. This table allows documenting

SUSRNOEK	SUPERSEDURE SUPPORT EQUIPMENT RECOMMENDATION DATA NUMBER	10XF	416
REASUPEK	REASON FOR SUPERCEDURE/DELETION	2 X F -	327
ICCODEEK	SUPERSEDURE INTERCHANGEABILITY CODE	2 X L -	172

80.12 Table EL, Support Equipment Integrated Logistic Support Requirement Category Code. This table allows documenting the element(s) of ILS which are required or recommended to be addressed for the SE item. Also included are the estimated price, whether government required or contractor recommended, and a scope (normally a data item description) for each ILS element documented. Table keys are SE Reference Number (SEREFNW), SE CAGE Code (SECAGEEA), as well as SE ILS Requirement Category Code (IRCCODEL).

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
SECAGEEA	SUPPORT EQUIPMENT CAGE CODE	5XF	046	F
SEREFNEA	SUPPORT EQUIPMENT REFERENCE NUMBER	32XL	337	F
IRCCODEL	INTEGRATED LOGISTIC SUPPORT REQUIREMENT CATEGORY CODE (IRCC)	1AF	171	K
CONRECEL	IRCC CONTRACTOR RECOMMENDED	1AF	057	
ESTPRCEL	IRCC ESTIMATED PRICE	8NR	101	
GOVRQDEL	IRCC GOVERNMENT REQUIRED	1AF	150	
IRCSCOEL	IRCC SCOPE	40XL	365	

80.13 Table EM, System Equipment. This table allows documenting items which are components of the system/equipment and are necessary to be used in conjunction with the SE item to perform its intended function. For example, a wiring harness with the same part number as the one used on the system/equipment might be required at test bench in order to fault isolate a line replaceable unit (LRU). This wiring harness would be considered a required piece of system equipment. Table Keys include System CAGE (SCAGECEM) and System Reference Number (SREFNOEM) (both migrate from table HA, but are given “System” role name), and SE CAGE Code (SECAGEEA) and SE Reference Number (SEREFNEA) (migrate from table Eli).

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
SECAGEEA	SUPPORT EQUIPMENT (SE) CAGE CODE	5 X F -	046	F
SEREFNEA	SE REFERENCE NUMBER	32XL -	337	F
SCAGECEM	SYSTEM CAGE CODE	5XF -	046	F
SREFNOEM	SYSTEM REFERENCE NUMBER	32XL -	337	F
QTYTSTEM	SYSTEM EQUIPMENT QUANTITY PER TEST	3NR -	320	
GFAEIDEM	SYSTEM EQUIPMENT ITEM DESIGNATOR	26XL -	179	

90. UNIT UNDER TEST REQUIREMENTS AND DESCRIPTION. Data tables beginning with "U" in the first positon of the table code are structured to identify the UUT and those hardware and software elements required to test the UUT with off-line support/test equipment. The unique combination of these elements required for a specific UUT and support/test equipment configuration is a Test Program Set (TPS). In addition to defining the TPS elements, this information provides the configuration identification of the UUT (i.e., the UUT and the support/test equipment to be used in the test). This information is established for each UUT which has a requirement to be tested by the support/test equipment documented. Additionally, Calibration and Measurement Requirement Summary (CMRS) information is captured in these tables. Figure 9 depicts the relational hierarchy of these tables/entities.

TABLE CODE	TABLE TITLE
UA	Article Requiring Support/Unit Under Test
UB	Unit Under Test Support Equipment
UC	Operational Test Program
UD	Unit Under Test Support Equipment Operational Test Program '
UE	Test Program Instruction
UF	Unit Under Test Explanation
UG	Unit Under Test Parameter Group
UH	Unit Under Test Fault Isolated Replaceable Unit
UI	Adapter-Interconnector Device
UJ	Unit Under Test Support Equipment Adapter-Interconnector Device
UK	Automatic Test Equipment Test Station
UL	Unit Under Test Support Equipment Automatic Test Equipment
UM	Support Equipment Item Unit Under Test
UN	Support Equipment Unit Under Test Parameter Group

90.1 Table UA, Article Requiring Support/Unit Under Test. This table identifies the UUT which is a component of weapon system breakdown structure. A UUT can be either a component of the system/equipment or a piece of complex SE itself which must be documented under the end article (weapon system) for contractual or provisioning purposes. Table keys are migrated from table XB, but are given the role name "UUT" to distinguish them (WTLCNUA, WTALCUA, and UTLCNTUA). The EIAC must be the same as in table XB, therefore it, is not role named.

OTPCTPUC	OTP COORDINATED TEST PLAN	1XF	060
OTPSFCUC	OTP STANDARDS FOR COMPARISON	1XF	402
OTPSRDUC	OTP SUPPORT EQUIPMENT RECOMMENDATION DATA NUMBER	10XF	416

90.4 Table UD, Unit Under Test Support Equipment Operational Test Program. This table ties together the relationship between the SE, UUT, and the OTP to maintain the specific application of the OTP. Table keys are EIAC (EIACODXA), UUT LCN (UUTLCNUA), UUT ALC (UUTALCUA), UUT LCN Type (UTLCNTUA), SE Reference Number (SEREFNEA), SE CAGE Code (SECAGEEA) (these migrate from the UB table), and OTP Reference Number (OTPREFUC) and OTP CAGE Code (OTPCAGUC), which migrate from the UC table.

CODE	SHORT NAME	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	10XL-	096	F
UUTLCNUA	UUT LSA CONTROL NUMBER (LCN)	18XL-	199	F
UUTALCUA	UUT ALTERNATE LCN CODE	2NF-	019	F
UTLCNTUA	UUT LCN TYPE	1AF-	203	F
SECAGEEA	SUPPORT EQUIPMENT CAGE CODE	5XF	046	F
SEREFNEA	SUPPORT EQUIPMENT REFERENCE NUMBER	32XL	337	F
OTPCAGUC	OPERATIONAL TEST PROGRAM CAGE CODE	5XF	046	F
OTPREFUC	OPERATIONAL TEST PROGRAM REFERENCE NUMBER	32XL	337	F

90.5 Table UE, Test Program Instruction. This table allows documenting basic identification and cost information pertaining to a test program instruction (TPI). The TPI is used as an aid in the use of an OTP. Table keys are migrated from the HA table and given the role name "TPI" to form the following keys: TPI Reference Number (TPIREFUE) and TPI CAGE Code (TPICAGUE). Also, the keys from table UC (OTP CAGE and Reference Number) are migrated in as foreign keys.

CODE	SHORT NAME	FORMAT	DED	KEY
OTPCAGUC	OPERATIONAL TEST PROGRAM CAGE CODE	5XF	046	F
OTPREFUC	OPERATIONAL TEST PROGRAM REFERENCE NUMBER	32XL	337	F
TPICAGUE	TEST PROGRAM INSTRUCTION (TPI) CAGE CODE	5XF	046	F
TPIREFUE	TPI REFERENCE NUMBER	32XL	337	F
TPAUCRUE	TPI APPORTIONED UNIT COST RECURRING	8NR	025	
TPAUCNUE	TPI APPORTIONED UNIT COST NONRECURRING	8NR	025	
TPISTSUE	TPI SELF TEST	1AF	370	
TPITDPUE	TPI TECHNICAL DATA PACKAGE	1AF	434	

TPISRDUE	TPI SUPPORT EQUIPMENT RECOMMENDATION DATA NUMBER	10XF	416

90.6 Table UF, Unit Under Test Explanation. Narrative statements may be entered in this table to further explain, justify, or substantiate any data entry concerning UUT (U tables) related data elements. When the information is related to a specific data element, the explanation should be prefaced with a reference to that element. Table keys are migrated from table UA and include EIAC (EIACODXA), UUT LCN (UUTLCNUA), WT ALC (UUTALCUA), and UUT LCN Type (UTLCNTUA). Also, Text Sequencing Code (TEXSEQUF) is a key attribute.

CODE	SHORT NAME	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	10XL-	096	F
UUTLCNUA	UUT LSA CONTROL NUMBER (LCN)	18XL-	199	F
WTALCUA	UUT ALTERNATE LCN CODE	2NF-	019	F
UTLCNTUA	WT LCN TYPE	1AF-	203	F
TEXSEQUF	UUT EXPLANATION TEXT SEQUENCING CODE	5NR-	450	K
UTEXPLUF	UUT EXPLANATION	65X--	498	

90.7 Table UG, Unit Under Test Parameter Group. This table allows documenting specific information about individual parameters which the unit under test requires to have measured, generated, etc. by the support equipment. This table is used when the WT is a subelement of the system/equipment (CMRS category I item), as opposed to being another piece of support equipment, with one exception. This table can be used to document parameters for a piece of complex SE which is an LSA candidate, thereby, making it the WT. Table keys are EIAC (EIACODXA), UJT LCN (WTLCWA), UUT ALC (WTALCUA), UUT LCN Type (UTLCNTUA), SE Reference Number (SEREFNEA), and SE CAGE Code (SECAGEEA).

NOTE: The WT Parameter Grouping Code (WTPGCUG) and the SE Parameter Grouping Code (PARGPCEC) (table EC) provide the common link between the parameters that need to be tested by the UUT and the parameters that the piece of SE can test. Therefore, the values for WTPGCUG and PARGPCEC must be identical to link the WT to the corresponding piece of SE.

CODE	SHORT NAME	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	10XL-	096	F
WTLCNUA	UUT LSA CONTROL NUMBER (LCN)	18XL-	199	F
WTALCUA	UUT ALTERNATE LCN CODE	2NF-	019	F
UTLCNTUA	UTT LCN TYPE	1AF-	203	F
SECAGEEA	SUPPORT EQUIPMENT CAGE CODE	5XF	046	F
SEREFNEA	SUPPORT EQUIPMENT REFERENCE NUMBER	32XL	337	F
WTPGCUG	UUT PARAMETER GROUP CODE	2AF-	284	K
WTPPCUG	UUT CALIBRATION MEASUREMENT REQUIREMENT SUMMARY PARAMETER CODE	1AF	034	
WTPACUG	UUT PARAMETER ACCURACY	26XL	284	
WTPIOUG	UUT PARAMETER INPUT/OUTPUT CODE	1AF	284	

WTPSOUG	UUT PARAMETER OPERATIONAL/ SPECIFICATION CODE	1 A F	284
WTPARUG	UUT PARAMETER	1 2 X L	284
WTPRFUG	UUT PARAMETER RANGE FROM	10 D ---	284
WTPRTUG	UUT PARAMETER RANGE TO	1 0 D - -	284
WTPRWG	UUT PARAMETER RANGE/VALUE CODE	1 A F	284
WTPTAUG	UUT PARAMETER TEST ACCURACY RATIO (TAR) ACTUAL	1 X F	442
WTPTDUG	UUT PARAMETER TAR DESIRED	1 X F	442

90.8 Table UH, Unit Under Test Fault Isolated Replaceable Unit. This table allows documenting the relationship between SE, UUT, task provisioned items, and Fault Isolated Replaceable Units (FIRU). The FIRU is an item which is subordinate to the UUT LCN (WTLCNUA) and the Task LCN (TSKLCNCI) in hardware breakdown. In fact, the UUT LCN and the Task LCN are one in the same and therefore, must be identical to each other. This table also allows documenting the percentage of faults which can be isolated to a given ambiguity group (up to two groups) and its respective number of items per ambiguity group. Table keys include those which originate in table CI (EIACODXA, TSKLCNCI, TSKALCCI, TSKLTYCI, TSKTCDCI, PROLCNCI, PROALCCI, PROLTYCI, PROCAGCI, and PROREFCI) and are migrated to table UH. Keys from table EA migrate down as nonidentifying.

a. PROLCNCI must be subordinate to TSKLCNCI.

b. PROLCNCI identifies the FIRU item.

c. To qualify as an FIRU, the PROLCNCI must have an ICC of X, Y, 9, M1, or AB (identified in table HG) and must be identifiable through fault isolation procedures for the TSKLCNCI.

CODE	SHORT NAME	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	1 0 X L	096	F
TSKLCNCI	TASK LSA CONTROL NUMBER (LCN)	1 8 X L -	199	F
TSKALCCI	TASK ALTERNATE LCN CODE (ALC)	2 N F	019	F
TSKLTYCI	TASK LCN TYPE	1 A F -	203	F
TSKTCDCI	TASK PROVISION TASK CODE	7 X F -	427	F
PROLCNCI	TASK PROVISION LCN	1 8 X L -	199	F
PROALCCI	TASK PROVISION ALC	2 N F -	019	F
PROLTYCI	TASK PROVISION LCN TYPE	1 A F -	203	F
PROCAGCI	TASK PROVISION CAGE CODE	5 X F -	046	F
PROREFCI	TASK PROVISION REFERENCE NUMBER	3 2 X L -	337	F
SECAGEEA	SUPPORT EQUIPMENT CAGE CODE	5 X F	046	
SEREFNEA	SUPPORT EQUIPMENT REFERENCE NUMBER	3 2 X L	337	
WTFAIUH	UUT FIRU AMBIGUITY GROUP 1	2 N R	143	
UUTFA2UH	UUT FIRU AMBIGUITY GROUP 2	2 N R	143	
UUTFP1UH	UUT FIRU PERCENT FAILURE 1	3 N R 1	143	
UUTFP2UH	UUT FIRU PERCENT FAILURE 2	3 N R 1	143	
UUTFTDUH	UUT FIRU TEST REQUIREMENTS DOCUMENT INDICATOR	1 A F	447	

90.9 Table UI, Adapter Interconnector Device. This table contains pricing and identification information about items which are utilized to interface the UUT with the SE. The table keys are migrated from table HA and given the role names Adapter Interconnector Device (AID) Reference Number (AIDREFUI) and AID CAGE Code (AIDCAGUI).

CODE	SHORT NAME	FORMAT	DED	KEY
AIDCAGUI	ADAPTER INTERCONNECTOR DEVICE (AID) CAGE CODE	5 X F	046	F
AIDREFUI	AID REFERENCE NUMBER	32XL	337	F
AIDUCNUI	AID APPORTIONED UNIT COST NONRECURRING	8 N R	025	
AIDUCRUI	AID APPORTIONED UNIT COST RECURRING	8 N R	025	
AIDSRDUI	AID SUPPORT EQUIPMENT RECOMMENDATION DATA NUMBER	10XF	416	
AIDCUTUI	AID COMMON UNIT UNDER TEST	2 N R	048	

90.10 Table UJ, Unit Under Test Support Equipment Adapter Interconnector Device. This table cross-references data pertaining to the relationship between the SE, AID, and the UUT. Table keys include the CAGE and Reference Number for the AID (AIDCAGUI and AIDREFUI, respectively) from table UI and the keys migrated from table UB which are EIAC (EIACODXA), UUT LCN (WTLCWA), UUT ALC (UUTALCUA), UUT LCN Type (UTLCNTUA), SE Reference Number (SEREFNEA), and SE CAGE Code (SECAGEEA).

CODE	SHORT NAME	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	10XL-	096	F
UUTLCNUA	UUT LSA CONTROL NUMBER (LCN)	18XL-	199	F
UUTALCUA	UUT ALTERNATE LCN CODE	2 N F -	019	F
UTLCNTUA	UUT LCN TYPE	1 A F -	203	F
SECAGEEA	SUPPORT EQUIPMENT CAGE CODE	5 X F	046	F
SEREFNEA	SUPPORT EQUIPMENT REFERENCE NUMBER	32XL	337	F
AIDCAGUI	ADAPTER INTERCONNECTOR DEVICE (AID) CAGE CODE	5 X F	046	F
AIDREFUI	AID REFERENCE NUMBER	32XL	337	F

90.11 Table UK, Automatic Test Equipment Test Station. This table is used to document identification and government designator information concerning the Automatic Test Equipment (ATE) Test Station required on a SERD summary. Table keys are migrated from table HA and given role names of ATE Reference Number (ATEREFUK) and ATE CAGE Code (ATECAGUK).

CODE	SHORT NAME	FORMAT	DED	KEY
ATECAGUK	ATE CAGE CODE	5 X F -	046	F
ATEREFUK	AUTOMATIC TEST EQUIPMENT (ATE) REFERENCE NUMBER	32XL	337	F
ATEGDSUK	ATE GOVERNMENT DESIGNATOR	20XL-	149	

90.12 Table UL, Unit Under Test Support Equipment Automatic Test Equipment. This table cross-references the ATE Test Station (table UK) data with the UUT SE (table UB). Table keys are ATE Reference Number (ATEREFUK) and ATE CAGE Code (ATECAGUK) migrated from table UK and the keys migrated from table UB which are EIAC (EIACODXA), UUT LCN (UUTLCNUA), UUT ALC (WTALCUA), UUT LCN Type (UTLCNTUA), SE Reference Number (SEREFNEA), and SE CAGE Code (SECAGEEA).

CODE	SHORT NAME	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	10XL-	096	F
UUTLCNUA	UUT LSA CONTROL NUMBER (LCN)	18XL-	199	F
UUTALCUA	UUT ALTERNATE LCN CODE	2NF-	019	F
UTLCNTUA	UUT LCN TYPE	1AF-	203	F
SECAGEEA	SUPPORT EQUIPMENT CAGE CODE	5XF	046	F
SEREFNEA	SUPPORT EQUIPMENT REFERENCE NUMBER	32XL	337	F
ATECAGUK	ATE CAGE CODE	5XF-	046	F
ATEREFUK	AUTOMATIC TEST EQUIPMENT (ATE) REFERENCE NUMBER	32XL	337	F

90.13 Table UM, Support Equipment Item Unit Under Test. This table identifies pieces of SE (Calibration and Measurement Requirement Summary (CMRS) category II items) that are linked with CMRS category III items (SE in support of the category II SE). Normally, Tables UM and UN are only used if a CMRS (LSA-076) is required on contract. Table keys are migrated down from the EA table (Support Equipment) and given a role name of Support Equipment Unit Under Test to distinguish them (SUTCAGUM and SUTREFUM).

CODE	SHORT NAME	FORMAT	DED	KEY
SUTCAGUM	SUPPORT EQUIPMENT UNIT UNDER TEST (SE UUT) CAGE CODE	5XF	046	F
SUTREFUM	SE UUT REFERENCE NUMBER	32XL	337	F
SUTALLUM	SE UUT ALLOWANCE	10XL	016	
SUTSTCUM	SE UUT CMRS STATUS	1AF	036	
MNTPLNUM	SE UUT MAINTENANCE PLAN NUMBER	23XL	209	
TRDNUMUM	SE UUT TEST REQUIREMENTS DOCUMENT NUMBER	15XL	448	
WKPKRFUM	SE UUT WORK PACKAGE REFERENCE	6XL	515	

90.14 Table UN, Support Equipment Unit Under Test Parameter Group. This table allows documenting specific information about individual parameters which a piece of support equipment (SE) (CMRS category II) requires to have calibrated, measured, etc. by another piece of SE (CMRS category 111 item). Data from this table will be used on the CMRS report (LSA-076). Table keys include the SE UUT Parameter Group Code (SEUPGCUN), keys migrated from table EA and given role names of “Testing” (TGSCAGUN and TGSREFUN), and keys from table UM are also migrated into this table (SUTREFUM and SUTCAGUM).

NOTE: The SE UUT Parameter Grouping Code (SEUPGCUN) and the SE Parameter Grouping Code (PARGPCEC) (table EC) provide the link between the parameters of CMRS category III items and category II items, respectively. Therefore,

the values for PARGPCEC and SEUPGCUN must be identical to link the SE UUT to the,corresponding piece of testing SE.

CODE	SHORT NAME	FORMAT	DED	KEY
TGSCAGUN	TESTING SUPPORT EQUIPMENT (SE) CAGE CODE	5 X F -	046	F
TGSREFUN	TESTING SE REFERENCE NUMBER	3 2 X L -	337	F
SUTCAGUM	SE UNIT UNDER TEST (UUT) CAGE CODE	5 X F -	046	F
SUTREFUM	SE UUT REFERENCE NUMBER	3 2 X L -	337	F
SEUPGCUN	SE UUT PARAMETER GROUP CODE	2 A F -	284	K
UTPACMUN	SE UUT CALIBRATION MEASUREMENT REQUIREMENTS SUMMARY (CMRS) PARAMETER CODE	1 A F	034	
UTPAACUN	SE UUT PARAMETER ACCURACY	2 6 X L	284	
UTPAIOUN	SE UUT PARAMETER INPUT/OUTPUT CODE	1 A F	284	
UTPAPAUN	SE UUT PARAMETER	1 2 X L	284	
UTRGFRUN	SE UUT PARAMETER RANGE FROM	1 0 D - -	284	
UTPRRTUN	SE UUT PARAMETER RANGE TO	1 0 D - -	284	
UTPARVUN	SE UUT PARAMETER RANGE/VALUE CODE	1 A F	284	
UTPATAUN	SE UUT PARAMETER TEST ACCURACY RATIO (TAR) ACTUAL	1 X F	442	
UTPATDUN	SE UUT PAIUMETER TAR DESIRED	1 X F	442	

100. FACILITIES CONSIDERATIONS. Data tables beginning with "F" in the first position of the table code are structured to describe and justify all proposed special and additional facilities requirements, which are indicated as a result of the operational/maintenance task analysis. Figure 10 depicts the relational hierarchy of these tables/entities.

TABLE CODE	TABLE TITLE
FA	Facility
FB	Facility Narrative
FC	Baseline Facility Narrative
FD	New or Modified Facility Narrative
FE	Operations and Maintenance Task Facility Requirement

100.1 Table FA, Facility. This table identifies the facility by name, category code, and type that the system/equipment under analysis requires. The table keys are Facility Name (FACNAMFA), Facility Category Code (FACCCDFA), and Facility Type (FACTYPFA). For a given row of information, the following cross-element edits apply to table FB:

a. Facility Area (FAAREAFA) and Facility Area UM (FAARUMFA) must either both be blank, or both have entries.

b. Facility Construction Unit of Measure Price (FACNCOFA) and Construction Unit of Measure (CONUOMFA) must either both be blank, or both have entries.

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
FACNAMFA	FACILITY NAME	32XL-	118	K
FACCCDFA	FACILITY CATEGORY CODE	6NL-	115	K
FACTYPFA	FACILITY TYPE	1AF-	483	K
FACCLAFA	FACILITY CLASS	19XL-	116	
DRCLASFA	FACILITY DRAWING CLASSIFICATION	3X--	088	
FADNUMFA	FACILITY DRAWING NUMBER	32XL-	089	
FADREVFA	FACILITY DRAWING REVISION	2AR-	360	
FAAREAFA	FACILITY AREA	6NR-	112	
FAARUMFA	FACILITY AREA UNIT OF MEASURE	2AF-	491	
FACNCOFA	FACILITY CONSTRUCTION UNIT OF MEASURE PRICE	10NR2-	492	
CONUOMFA	CONSTRUCTION UNIT OF MEASURE	2AF-	491	

100.2 Table FB, Facility Narrative. This table may be used to identify Facility Capability, and Facility Location of either the baseline facility or the new or modified facility. The table keys consist of Facility Name (FACNAMFA), Facility Category Code (FACCCDFA), Facility Type (FACTYPFA), Facility Narrative Code (FNCODEFB), and Facility Narrative Text Sequencing Code (TEXSEQFB). For a given row of information, the following cross-element edits apply to table FB:

a. If the Facility Narrative Code (FNCODEFB) is (A), then this table identifies the capacity impact on the work load of the facility (Facility

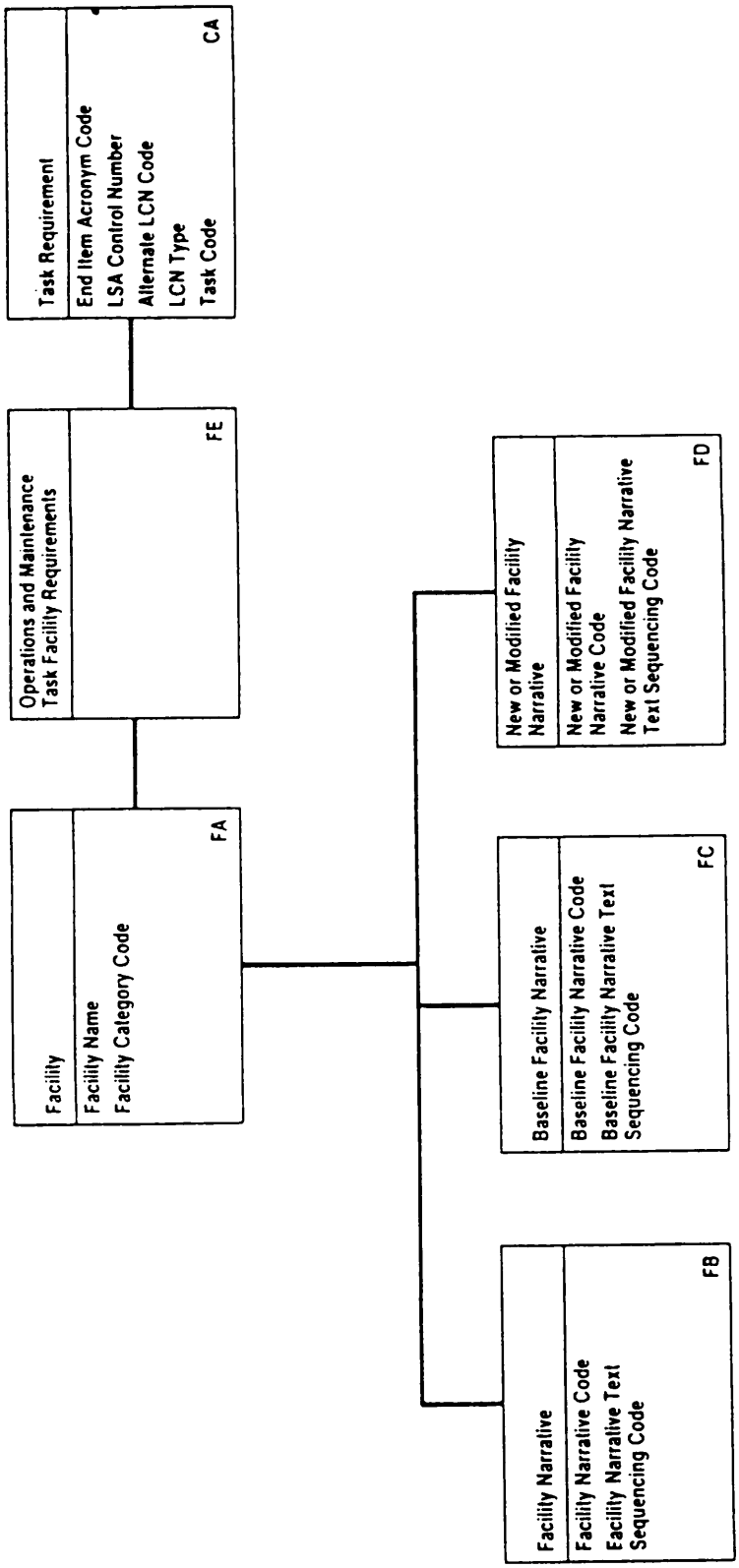


FIGURE 10. F table relationships.

b. For identical Reference Number and CAGE keys, only one row of information can be established with a "Y" Provisioning UM Price Code (PROUMPHD).

c. Lot Quantity From (LOTQFMHE) must be less than or equal to Lot Quantity To (LOTQTOHE) in any row.

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
CAGECDXH	CAGE CODE	5 X F -	046	F
REFNUMHA	REFERENCE NUMBER	3 2 X L -	337	F
UMPRICHE	UNIT OF MEASURE (UM) PRICE	1 0 N R 2	492	K
LOTQFMHE	UM PRICE LOT QUANTITY FROM	6 N R -	205	
LOTQTOHE	UM PRICE LOT QUANTITY TO	6 N R -	205	
CURPRCHE	UM PRICE CONCURRENT PRODUCTION CODE	1 A F -	051	
TUMPRCHE	UM PRICE TYPE OF PRICE CODE	1 A F -	485	
PROUMPHE	UM PRICE PROVISIONING	1 A F -	314	
FISCYRHE	UM PRICE FISCAL YEAR	2 N F -	145	

120.6 Table HF, Item Packaging Requirement. This table contains packaging data, as specified by MIL-STD-2073-1 and MIL-STD-2073-2. Table keys are: Reference Number (REFNUMHA); CAGE (CAGECDXH); and, Degree of Protection (DEGPROHF).

a. Unit Pack Length (LENUPWF), Width (WIDUPKHF), and Depth (DEPUPKHF) must either all be blank or all have entries for a row of information.

b. Unit Pack entries must be greater than or equal to Unit Size entries in table HA (LENUPKHF greater than or equal to ULENGTHA; WIDUPKHF greater than or equal to UWIDTHHA; and, DEPUPKHF greater than or equal to UHEIGHHA).

For numeric entry, Unit Pack Weight (UNPKWTHF) must be greater than or equal to Unit Weight (UWEIGHHA).

d. Packaging data preparer CAGE (PKCAGEHF) is a nonidentifying key migrating from table XH.

e. When packaging in accordance with special packaging instruction (SPI) enter code ZZ in the Method of Preservation Code (MEPRESHF) and omit entries in the following fields: Cleaning and Drying Procedures (CDPROCHF), Preservation Material Code (PRSMATHF), Wrapping Material (WRAPMTHF), Cushioning and Dunnage Material (CUSHMAHF), Cushioning Thickness (CUSTHIHF), and Unit Container (UNICONHF).

f. The Container National Stock Number (CONNSNHF) is only the 4th - 16th positions of DED 253, National Stock Number and Related Data.

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
CAGECDXH	CAGE CODE	5 X F -	046	F
REFNUMHA	REFERENCE NUMBER	3 2 X L -	337	F
DEGPROHF	DEGREE OF PROTECTION CODE	I A F -	074	K
UNICONHF	UNIT CONTAINER CODE	2 X F -	486	
UCLEVLHF	UNIT CONTAINER LEVEL	l X F -	487	

PKGCODHF	PACKING CODE	3	X	F	-	283
PACCATHF	PACKAGING CATEGORY CODE	4	X	F	-	282
MEPRESHF	METHOD OF PRESERVATION CODE	2	X	F	-	239
CDPROCHF	CLEANING AND DRYING PROCEDURES	1	X	F	-	045
PRSMATHF	PRESERVATION MATERIAL CODE	2	X	F	-	295
WRAPMTHF	WRAPPING MATERIAL	2	X	F	-	517
CUSHMAHF	CUSHIONING AND DUNNAGE MATERIAL	2	X	F	-	067
CUSTHIHF	CUSHIONING THICKNESS	1	X	F	-	068
QTYUPKHF	QUANTITY PER UNIT PACK	3	X	-	-	321
INTCONHF	INTERMEDIATE CONTAINER CODE	2	X	F	-	174

THIS PAGE INTENTIONALLY LEFT BLANK

INCQTYHF	INTERMEDIATE CONTAINER QUANTITY	3 X - -	175
SPEMRKHF	SPECIAL MARKING CODE	2 X F -	394
UNPKWTHF	UNIT PACK WEIGHT	5 X - -	495
LENUPKHF	UNIT PACK LENGTH	4 N R 1	494
WIDUPKHF	UNIT PACK WIDTH	4 N R 1	494
DEPUPKHF	UNIT PACK DEPTH	4 N R 1	494
UNPKCUHF	UNIT PACK CUBE	7 N R 3	493
OPTPRIHF	OPTIONAL PROCEDURES INDICATOR	1 X F -	279
SPINUMHF	SPECIAL PACKAGING INSTRUCTION (SPI) NUMBER	1 0 X L -	396
SPIREVHF	SPI NUMBER REVISION	1 A F -	397
SPDATEHF	SPI NUMBER JULIAN DATE	5 N L -	187
CONNSNHF	CONTAINER NATIONAL STOCK NUMBER	20 X --	253
SUPPKDHF	SUPPLEMENTAL PACKAGING DATA	59 X L -	409
PKCAGEHF	PACKAGING DATA PREPARER CAGE	5 X F -	046

120.7 Table HG, Part Application Provisioning. This table contains parts related information to the part in a specific hardware application. Table keys include: Reference Number (REFNUMHA); CAGE (CAGECDXH); EIAC (EIACODXA); LCN (LSACONXB); ALC (ALTLCNXB); and, LCN Type (LCNTYPXB).

a. LCN Type must always be “P” (Physical).

b. Maintenance Action Code (MAIACTHG) is not allowed without Maximum Allowable Operating Time (MAOTIMHG).

c. Maintenance Task Distribution subfields (OMTDOOHG, FMTDFFHG, HMTDHHHG, LMTDLLHG, DMTDDDHG, CBDMTDHG, and CADMTDHG) must always total to 100 percent.

d. Replacement Task Distribution subfields (ORTDOOHG, FRTDFFHG, HRTDHHHG, LRTDLLHG, and DRTDDDHG) must always total to 100 percent.

c. PCCN (PCCNUMXC) and Provisioning List Item Sequence Number (PLISN) (PLI~NOHG) combinations must be unique across all rows of information (PLISNS are mapped to respective PCCNs in Table XC through Table HO).

f. Same as PLISN (SAPLISHG) must be contained in this table as a PLISN (PLISNOHG) having an identical PCCN. The same as PLISN must be the lowest (EBCDIC value) PLISN in the table for the same Reference Number, CAGE, and PCCN combinations (without an associated “D” TOCC).

g. Repair Cycle Time (ORCTOOHG, FRCTFFHG, HRCTHHHG, LRCTLLHG, DRCTDDHG and CONRCTHG) for each Operations/Maintenance (0/M) Level (identified by the first position of the short name) must be either blank or greater for each higher O/M level. The O/M levels in ascending order are O, F, H, L, D, and CON (contractor).

h. When numeric, the Quantity Per End Item (QTYPEIHG) must be greater than or equal to the Quantity Per Assembly (QTYASYHG).

i. Maintenance Task Distribution and Replacement Task Distribution.

(1) OMTDOOHG must be less than or equal to ORTDOOHG.

ORCTOOHG	ORGANIZATIONAL REPAIR CYCLE TIME (RCT)	3 N R -	350
FWTFFHG	INTERMEDIATE\DIRECT SUPPORT RCT	3 N R -	350
HRCTHHHG	INTERMEDIATE/GENEIUL SUPPORT RCT	3 N R -	350
LRCTLLHG	SPECIAL REPAIR ACTIVITY RCT	3 N R -	350
DRCTDDHG	DEPOT/SHIPYARD RCT	3 N R -	350
CONRCTHG	CONTRACTOR RCT	3 N R -	350
NORETSHG	NOT REPAIRABLE THIS STATION	3 N R -	261
REPSURHG	REPAIR SURVIVAL RATE	3 N R -	351
DRPONEHG	DESIGNATED REWORK POINT ONE	6 X L -	081
DRPTWOHG	DESIGNATED REWORK POINT TWO	6 X L -	081
WRKUCDHG	WORK UNIT CODE	7 X L -	516
ALLOWCHG	ALLOWANCE ITEM CODE	2 X F -	017
ALIQTYHG	ALLOWANCE ITEM QUANTITY	3 N R -	018

120.8 Table HH, Overhaul-Kit Next Higher Assembly PLISN. This table contains all Next Higher Assembly (NHA), kit or overhaul PLISNs, any associated NHA PLISN Indicators, and Overhaul Replacement Rates. Table keys include: Reference Number (REFNUMHA); CAGE (CAGECDXH); EIAC (EIACODXA); LCN (LSACONXB); ALC (ALTLCNXB); LCN type (LCNTYPXB); and NHA PLISN (NHAPLIHH). NHA PLISN must be a PLISN contained in table XC (PLISNOXC) or table HG (PLISNOHG) with an identical PCCN (PCCNUMXC).

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
CAGECDXH	CAGE CODE	5 X F -	046	F
REFNUMHA	REFERENCE NUMBER	3 2 X L -	337	F
EIACODXA	END ITEM ACRONYM CODE	1 0 X L -	096	F
LSACONXB	LSA CONTROL NUMBER (LCN)	1 8 X L -	199	F
ALTLCNXB	ALTERNATE LCN CODE	2 N F -	019	F
LCNTYPXB	LCN TYPE	1 A F -	203	F
NHAPLIHH	NEXT HIGHER ASSEMBLY (NHA) PROVISIONING LIST ITEM SEQUENCE NUMBER (PLISN)	5 X L -	258	K
NHAINDHH	NHA PLISN INDICATOR	1 X F -	259	
OVHREPHH	OVERHAUL REPLACEMENT RATE	3 N R 2	281	

120.9 Table HI, Provisioning Remark. This table contains text remarks associated with a part application for provisioning. Table keys include: Reference Number (REFNUMHA); CAGE (CAGECDXH); EIAC (EIACODXA); LCN (LSACONXB); ALC (ALTLCNXB); LCN Type (LCNTYPXB); and, Text Sequencing Code (TEXSEQHI).

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
CAGECDXH	CAGE CODE	5 X F -	046	F
REFNUMHA	REFERENCE NUMBER	3 2 X L -	337	F
EIACODXA	END ITEM ACRONYM CODE	1 0 X L -	096	F
LSACONXB	LSA CONTROL NUMBER (LCN)	1 8 X L -	199	F
ALTLCNXB	ALTERNATE LCN CODE	2 N F -	019	F
LCNTYPXB	LCN TYPE	1 A F -	203	F
TEXSEQHI	PROVISIONING TEXT SEQUENCING CODE	5 N R -	450	K
REMARKHI	PROVISIONING REMARKS	6 5 X - -	311	

120.10 Table HJ, Provisioning Reference Designation. This table contains Reference Designations associated with a part application for provisioning. Table keys include: Reference Number (REFNUMHA); CAGE (CAGECDXH); EIAC (EIACODXA); LCN (LSACONXB); ALC (ALTLCNXB); LCN Type .(LCNTYPXB); and, Reference Designation (REFDESHJ). Nonidentifying keys, "Technical Manual (TM) Code (TMCODEXI); Figure Number (FIGNUMHK); and Item Number (ITEMNOHK) migrate from table HK, if applicable, on matching foreign keys.

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
CAGECDXH	CAGE CODE	5 X F -	046	F
REFNUMHA	REFERENCE NUMBER	3 2 X L -	337	F
EIACODXA	END ITEM ACRONYM CODE	1 0 X L -	096	F
LSACONXB	LSA CONTROL NUMBER (LCN)	1 8 X L -	199	F
ALTLCNXB	ALTERNATE LCN CODE	2 N F -	019	F
LCNTYPXB	LCN TYPE	1 A F -	203	F
REFDESHJ	REFERENCE DESIGNATION	6 4 X L -	335	K
RDCODEHJ	REFERENCE DESIGNATION CODE	1 A F -	336	
TMCODEXI	TECHNICAL MANUAL (TM) CODE	3 X F -	437	
FIGNUMHK	FIGURE NUMBER	4 X R -	144	
ITEMNOHK	ITEM NUMBER	4 X R -	184	

120.11 Table HK, Parts Manual Description. This table contains Repair Parts Manual data associated with a part application for provisioning. Table keys include: Reference Number (REFNUMHA); CAGE (CAGECDXH); EIAC (EIACODXA); LCN (LSACONXB); ALC (ALTLCNXB), LCN Type (LCNTYPXB); TM Code (TMCODEXI); Figure Number (FIGNUMHK); and Item Number (ITEMNOHK).

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
CAGECDXH	CAGE CODE	5 X F -	046	F
REFNUMHA	REFERENCE NUMBER	3 2 X L -	337	F
EIACODXA	END ITEM ACRONYM CODE	1 0 X L -	096	F
LSACONXB	LSA CONTROL NUMBER (LCN)	1 8 X L -	199	F
ALTLCNXB	ALTERNATE LCN CODE	2 N F -	019	F
LCNTYPXB	LCN TYPE	1 A F -	203	F
TMCODEXI	TECHNICAL MANUAL (TM) CODE	3 X F -	437	F
FIGNUMHK	FIGURE NUMBER	4 X R -	144	K
ITEMNOHK	ITEM NUMBER	4 X R -	184	K
TMFGCDHK	TM FUNCTIONAL GROUP CODE (REPAIR PARTS MANUAL)	11 X L-	438	
TMINDCHK	TM INDENTURE CODE	1 N F -	439	
QTYFIGHK	QUANTITY PER FIGURE	3 N R -	318	
TMCHGNHK	TM CHANGE NUMBER	2 N R -	436	

120.12 Table HL, Parts Manual Provisioning Nomenclature. This table contains text for repair parts manual data associated with a part application for provisioning. Table keys include: Reference number (REFNUMHA); CAGE (CAGECDXH); EIAC (EIACODXA); LCN (LSACONXB); ALC (ALTLCNXB), LCN Type (LCNTYPXB); TM Code (TMCODEXI); Figure Number (FIGNUMHK); Item Number (ITEMNOHK); and, Text Text Sequencing Code (TEXSEQHL).

ALTLCNHN	S/N PROVISIONING ALTERNATE LCN CODE (ALC)	2 N F -	019	F
LCNSEIHN	S/N PROVISIONING SYSTEM/EI LCN	1 8 X L -	199	F
ALCSEIHN	S/N PROVISIONING SYSTEM/EI ALC	2 N F -	019	F
FRSNUMHN	S/N PROVISIONING SERIAL NUMBER FROM	1 0 X L -	373	F
TOSNUMHN	S/N PROVISIONING SERIAL NUMBER TO	10 X L -	373	F

120.15 Table HO, Provisioning System/End Item Usable On Code. This table relates a part application to the applicable System/End Item UOCs and Provisioning Contract Control Number (PCCN) associated with the part application. Table keys include all columns. Table keys CAGEDHO, REFNUMHO, LSACONHO, and ALTLCNHO migrate from table HG. Table keys LCNSEIHO and ALCSEIHO migrate from table XC, from which UOCs and the PCCN are extracted. EIACODXA and LCNTYPXB are identical in both tables XC and HG.

NOTE: Part application LCNS (LSACONHO) are mapped to their respective system/end items by matching on EIAC, LCN Type, LCN, and ALC between tables HO and XC to extract applicable UOCS and the PCCN. A part application can have multiple UOCs, but only one PCCN, with the exception of separately provisioned end items.

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	1 0 X L -	096	F
LCNTYPXB	LCN TYPE	1 A F -	203	F
CAGECDHO	UOC PROVISIONING CAGE CODE	5 X F -	046	F
REFNUMHO	UOC PROVISIONING REFERENCE NUMBER	32 X L -	337	F
LSACONHO	UOC PROVISIONING LSA CONTROL NUMBER (LCN)	1 8 X L -	199	F
ALTLCNHO	UOC PROVISIONING ALTERNATE LCN CODE (ALC)	2 N F -	019	F
LCNSEIHO	UOC PROVISIONING SYSTEM/EI LCN	1 8 X L -	199	F
ALCSEIHO	UOC PROVISIONING SYSTEM/EI ALC	2 N F -	019	F

120.16 Table HP, Desire Change Information. This table contains information about the parts application item affected by a design change. Table keys include: Reference Number (REFNUMHA); CAGE (CAGECDXH); EIAC (EIACODXA); LCN (LSACONXB); ALC (ALTLCNXB); LCN Type (LCNTYPXB); and, Change Authority Number (CANUMBHP).

a. Replaced or Superseding PLISN (RSPLISHP) must be established in either table HG or XC matching the PCCN of the HP table keys (less CANUMBHO). A Replaced or Superseded PLISN Indicator (RSPLINDHP) cannot be entered without a Replaced or Superseded PLISN (RSPLISHP).

b. Quantity Procured (QTYPROHP) must be entered if there is an entry in Quanity Shipped (QTYSHPHP). The QTYPROHP must be greater than or equal to the QTYSHPHP.

c. Prorated Exhibit Line Item (PROELIHP) must be entered if there is an entry in Prorated ELIN Quantity (PROQTYHP).

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
CAGECDXH	CAGE CODE	5 X F -	046	F
REFNUMHA	REFERENCE NUMBER	3 2 X L -	337	F
EIACODXA	END ITEM ACRONYM CODE	1 0 X L -	096	F
LSACONXB	LSA CONTROL NUMBER (LCN)	1 8 X L -	199	F
ALTLCNXB	ALTERNATE LCN CODE (ALC)	2 N F -	019	F
LCNTYPXB	LCN TYPE	1 A F -	203	F
CANUMBHP	CHANGE AUTHORITY NUMBER	1 5 X L -	043	K
RSPLISHP	REPLACED OR SUPERSEDING (R-S) PROVISIONING LIST ITEM SEQUENCE NUMBER (PLISN)	5 X L -	353	
RSPINDHP	R-S PLISN INDICATOR	1 A F -	354	
INTCHCHP	INTERCHANGEABILITY CODE	2 A F -	172	
TOTICHHP	TOTAL ITEM CHANGES	2 N R -	452	
QTYSHPHP	QUANTITY SHIPPED	6 N R -	323	
QTYPROHP	QUANTITY PROCURED	6 N R -	322	
PROELIHP	PRORATED EXHIBIT LINE ITEM NUMBER (ELIN)	6 X - -	305	
PROQTYHP	PRORATED QUANTITY	6 N R -	306	

120.17 Table HQ, Serial Number Effectivity. This table contains the serial number effectivity ranges which are affected by the design change. Table keys include all columns.

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
CAGECDXH	CAGE CODE	5 X F -	046	F
REFNUMHA	REFERENCE NUMBER	3 2 X L -	337	F
EIACODXA	END ITEM ACRONYM CODE	1 0 X L -	096	F
LSACONXB	LSA CONTROL NUMBER (LCN)	1 8 X L -	199	F
ALTLCNXB	ALTERNATE LCN CODE	2 N F -	019	F
LCNTYPXB	LCN TYPE	1 A F -	203	F
CANUMBHP	CHANGE AUTHORITY NUMBER	1 5 X L -	043	F
FMSRNOHQ	FROM SERIAL NUMBER EFFECTIVITY	1 0 X L -	374	K
TOSRNOHQ	TO SERIAL NUMBER EFFECTIVITY	1 0 X L -	374	K

120.18 Table HR, Design Change Usable On Code. This table references to the UOC affected by a design change. Table keys include all columns. Design change UOC is extracted from table XC through table HO for the key of UOC system/EI (LCNSEIHO and ALCSEIHO) and UOC provisioning LCN/ALC (LSACONHO and ALTLCNHO). REFNUMHO, CAGECDHO, LSACONHO, and ALTLCNHO must be identical with REFNUMHA, CAGECDXH, LSACONXB, and ALTLCNXB from table HP migrating CANUMBHP into this table. EIACODXA and LCNTYPXB must be identical in Tables XC, HO, and HR.

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	1 0 X L -	096	F
LCNTYPXB	LCN TYPE	1 A F -	203	F
CAGECDHO	UOC PROVISIONING CAGE CODE	5 X F -	046	F
REFNUMHO	UOC PROVISIONING REFERENCE NUMBER	32 X L -	337	F

TRCHRDJA	REVISION DATE	6 N F -	071
TRCHTHJA	THEATER OF OPERATION	5 A L -	451
NOPRFFJA	NONOPERATIONAL FRAGILITY FACTOR	2 N R -	260
NETEXWJA	NET EXPLOSIVE WEIGHT	1 0 N R -	254

130.2 Table JB, Transportation Shipping Modes. This table identifies the different possible transportation shipping modes for the system/equipment under analysis. This table can identify the different types of aircraft and whether the aircraft will transport the item under analysis externally or internally. This table can identify the different type of helicopters, their mission capabilities, and whether the helicopter will transport the item under analysis externally or internally. This table can identify the highway prime and alternate model types and what type of payload capacity the transporter has. This table can identify the type of lighterages and whether the item under analysis can be stowed on deck. This table can identify the type of rail system that will be used and which countries the rail system will run through for the item under analysis. This table can identify the type of ships and whether the item under analysis can be stowed on deck. The table keys consist of EIAC (EIACODXA), LCN (LSACONXB), ALC (ALTLCNXB), LCN Type (LCNTYPXB), Transportation Characteristic Number (TRANCNJB), and Transportation Mode Type (TRCHMTJB). For a given row of information, the following cross-element edits apply to table JB:

a. This table can only be used if an (S or B) has been entered in the Transportation Indicator (TRNINDJA) table JA.

b. Transportation Item Designator (TRITDRJB) and External or Internal Load Indicator (EOILINJB) should only be used when the Transportation Character Mode Type of (A) for an aircraft is entered.

c. External or Internal Load Indicator (EOILINJB) and Transportation Item Designator (TRITDRJB) for an aircraft must either both be blank, or have entries.

d. Transportation Item Designator (TRITDRJB), Helicopter Mission Altitude (HMATLRJB), Helicopter Mission Distance (HMDISRJB), HelicopterMission Payload (HMPAYRJB), Helicopter Mission Temperature (HMTMPRJB), Helicopter Mission Time (HMTIM.RJB), and External or Internal Load Indicator (EOILINJB) should only be filled out when the Transportation Character Mode Type (TRCHMTJB) of (B) for a helicopter is entered.

e. External or Internal Load Indicator (EOILINJB) and Transportation Item Designator (TRITDRJB) for a helicopter must either both be blank, or have entries.

f. Highway Prime Load (HIPRMLJB), Highway Prime Model Type (HIPRMTJB), Highway Alternate Load (HALTMLJB), and Highway Alternate Model Type (HALTMTJB) should only be filled out when the Transportation Character Mode Type (TRCHMTJB) of (C) is entered.

g. Highway Prime Model Load (HIPRMLJB) and Highway Prime Model Type (HIPRMTJB) must either both be blank, or have entries.

h. Highway Alternate Model Load (HALTMLJB) and Highway Alternate Model Type (HALTMTJB) must either both be blank, *or* have entries.

i. Sea Deck Stowage (SDECKSJB) and Transportation Item Designator (TRITDRJB) and should only be filled out when the Transportation Character Mode Type (TRCHMTJB) of (D) for a lighterage is entered.

j. Sea Deck Stowage (SDECKSJB) and Transportation Item Designator (TRITDRJB) must either both be blank, or have entries.

k. Transportation Item Designator (TRITDRJB), Rail Use (RAILUSJB) and Rail Transportation Country (RAILTCJB) should only be filled out when the Transportation Character Mode Type (TRCHMTJB) of (E) is entered.

l. Rail Use (RAILUSJB) and Rail Transportation Country (RAILTCJB) must either both be blank, or have entries.

m. Sea Deck Stowage (SDECKSJB) and Transportation Item Designator (TRITDRJB) should only be filled out when the Transportation Character Mode Type (TRCHMTJB) of (F) for a ship is entered.

Sea Deck Stowage (SDECKSJB) and Transportation Item Designator (TRITDRJB) must either both be blank, or have entries.

o. Container Length (CONLENJB) and Container Type (CONTYPJB) must either both be blank, or have entries.

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	10 X L -	096	F
LSACONXB	LSA CONTROL NUMBER (LCN)	18 X L-	199	F
ALTLCNXB	ALTERNATE LCN CODE	2 N F -	019	F
LCNTYPXB	LCN TYPE	1 A F -	203	F
TRANCNJB	TRANSPORTATION CHARACTER NUMBER	2 N R -	465	K
TRCHMTJB	TRANSPORTATION CHARACTER MODE TYPE	1 A F -	464	K
TRITDRJB	TRANSPORTATION ITEM DESIGNATOR	26 X L -	469	
SHPCONJB	SHIPPING CONFIGURATION	2 A L-	380	
CONLENJB	CONTAINER LENGTH	2 N R -	053	
CONTYPJB	CONTAINER TYPE	36 X L -	054	
FRCLASJB	FREIGHT CLASSIFICATION	7 X L -	146	
EOILINJB	EXTERNAL OR INTERNAL LOAD INDICATOR	1 A F -	104	
HMATLRJB	HELICOPTER MISSION ALTITUDE	5 N R -	159	
HMDISRJB	HELICOPTER MISSION DISTANCE	3 N R -	159	
HMPAYRJB	HELICOPTER MISSION PAYLOAD	5 N R -	159	
HMTMPRJB	HELICOPTER MISSION TEMPERATURE	3 N R -	159	
HMTIMRJB	HELICOPTER MISSION TIME	3 N R 1	159	
HIPRMIJB	HIGHWAY PRIME MODEL LOAD	l A F -	250	
HIPRMTJB	HIGHWAY PRIME MODEL TYPE	19 X L -	251	
HALTMLJB	HIGHWAY ALTERNATE MODEL LOAD	1 A F -	250	
HALTMTJB	HIGHWAY ALTERNATE MODEL TYPE	19 X L -	251	
WILUSJB	RAIL USE	5 A L -	326	
RAILTCJB	RAIL TRANSPORTATION COUNTRY	240 X --	325	
SDECKSJB	SEA DECK STOWAGE	1 A F -	072	

130.3 Table JC, Transported End Item. This table provides information pertaining to a System/EI that is to be transported. The table keys consist of EIAC (EIACODXA), LCN (LSACONXB), ALC (ALTLCl@3), LCN Type (LCNTYPXB), Transported Configuration Number (TRANCNJC), and Mobility Type (MOBTYPJC). For a given row of information, the following cross-element edits apply to table JC:

a. This table can only be used if an (E or B) has been entered in the Transportation Indicator (TRNINDJA) table JA.

b. Operational Weight Empty (OPWEEMJC) and Military Load Classification Empty (HICLNEJC) must either both be blank, or have entries.

c. Operational Weight Loaded (OPWELDJC) and Military Load Classification Loaded (HICLNLJC) must either both be blank, or have entries.

d. Skid Number of Skids (SNUMSKJC), Skid Area (SDSICGJC), and Skid Area UM (SKADUMJC) should only be used when the Mobility Type (MOBTYPJC) of (A) is entered.

e. Skid Area (SDSICGJC) and Skid Area UM (SKADUMJC) must either both be blank, or have entries.

f. Tracked Ground Pressure (TRGRPRJC), Tracked Road Wheel Weight (TRRWWTJC), Tracked Pads Touching (TRNUPTJC), Tracked Pad Shoe Area (TRPSARJC), and Tracked Pad Shoe Area UM (TPSAUMJC) should only be used when the Mobility Type (MOBTYPJC) of (B) is entered. Wheeled Inflation Pressure (WHINPRJC), Wheeled Number of Tires (WHNUTIJC), Wheeled Tire Load Ratings (WHTLDRJC), Wheeled Tire Size (WHTIFTJC), and Wheeled Weight Ratings (WHWERAJC) may also apply to tracked vehicles.

g. Tracked Pad Shoe Area (TRPSARJC) and Tracked Pad Shoe Area UM (TPSAUMJC) must either both be blank, or have entries.

h. Wheeled Inflation Pressure (WHINPRJC), Wheeled Number of Tires (WHNUTIJC), Wheeled Tire Load Ratings (WHTLDRJC), Wheeled Tire Size (WHTIFTJC), and Wheeled Weight Ratings (WHWERAJC) should be used when the Mobility Type (MOBTYPJC) of (C) is entered.

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	10XL-	096	F
LSACONXB	LSA CONTROL NUMBER (LCN)	18XL-	199	F
ALTLCNXB	ALTERNATE LCN CODE	2NF-	019	F
LCNTYPXB	LCN TYPE	1AF-	203	F
TRCONMJC	TRANSPORTED CONFIGURATION NUMBER	2NR-	473	K
MOBTYPJC	MOBILITY TYPE	1AF-	249	K
OPWEEMJC	OPERATIONAL WEIGHT EMPTY	4NR1	276	
HICLNEJC	MILITARY LOAD CLASSIFICATION EMPTY	2NR-	241	
OPWELDJC	OPERATIONAL WEIGHT LOADED	4NR1	276	
HICLNLJC	MILITARY LOAD CLASSIFICATION LOADED	2NR-	241	
SHWEEMJC	SHIPPING WEIGHT EMPTY	4NR1	381	
SHWELDJC	SHIPPING WEIGHT LOADED	4NR1	381	

CREANGJC	CREST ANGLE	2 N R -	063
TRGRPRJC	TRACKED GROUND PRESSURE	7 N R -	456
TRRWWTJC	TRACKED ROAD WHEEL WEIGHT	6 N R 1	459
TRNUPTJC	TRACKED PADS TOUCHING	2 N R -	458
TRPSARJC	TRACKED PAD SHOE AREA	6 N R 1	457
TPSAUMJC	TRACKED PAD SHOE AREA UNIT OF MEASURE	2 A F -	491
WHINPRJC	WHEELED INFLATION PRESSURE	3 N R -	507
WHNUPLJC	WHEELED NUMBER OF PLIES	2 N R -	508
WHNUTIJC	WHEELED NUMBER TIRES	2 N R -	509
WHTLDRJC	WHEELED TIRE LOAD RATINGS	1 0 X L -	510
WHTIFTJC	WHEELED TIRE SIZE	1 0 X L -	512
WHWEWJC	WHEELED WEIGHT RATINGS	1 0 X L -	513
TWALFIJC	LENGTH FRONT INSIDE	4 N R 1	029
TWALFOJC	LENGTH FRONT OUTSIDE	4 N R 1	029
TWALRIJC	LENGTH REAR INSIDE	4 N R 1	029
TWALROJC	LENGTH REAR OUTSIDE	4 N R 1	029
SNUMSKJC	SKID NUMBER OF SKIDS	2 N R -	264
SDSICGJC	SKID AREA	6 N R 1	384
SKADUMJC	SKID AREA UNIT OF MEASURE	2 A F -	491

130.4 Table JD, Transported End Item Narrative. This table may be used to identify Tire Requirements, Skid Remarks, Tracked Wheeled Remarks, Turning Information, Axle and Suspension Remarks, and Other Transported Equipment. The table keys consist of EIAC (EIACODXA), LCN (LSACONXB), ALC (ALTLCNXB), LCN Type (LCNTYPXB), Transported Configuration Number (TRANCNJC), and Mobility Type (MOBTYPJC), Transported End Item Narrative Code (TREINCJD), and Transported End Item Narrative Text Sequencing Code (TEXSEQJD). For a given row of information, the following cross-element edits apply to table JD:

a. If the Transported End Item Narrative Code (TREINCJD) is (A), then this table identifies any pertinent information pertaining to the tires for the system under analysis (Wheeled Tire Requirements, DED 511).

b. If the Transported End Item Narrative Code (TREINCJD) is (B), then this table describes any pertinent information pertaining to skid areas for the system under analysis (Skid Remarks DED, 385).

c. If the Transported End Item Narrative Code (TREINCJD) is (C), then this table describes the tracked/ wheeled turning diameter which will include wall-to-wall, curb-to-curb (Turning Information, DED 477) .

d. If the Transported End Item Narrative Code (TREINCJD) is (D), then this table describes any information pertaining to the axle and suspension system of the item under analysis (Wheeled Axle and Suspension Remarks, DED 506).

e. If the Transported End Item Narrative Code (TREINCJD) is (E), then this table captures all other information pertaining to a item that is being transported which is not tracked, wheeled, or skid mounted (Transported Other Equipment, DED 475).

CODE	DATA ELEMENT TITLE	FORMAT	DED	KEY
EIACODXA	END ITEM ACRONYM CODE	1 0 X L -	Z	F

option selected); Part II is ascending LCN, then ascending reference number; and, Part III is sequenced by ascending LCN, then maintenance type (in the order of P, C, T, and U).

30.19 LSA-025, Packaging Requirements Data. A report of the basic data requirements for preservation and packing for common, selective, and special group items. This report consists of four 80-character card record formats of packaging information as specified by MIL-STD-2073. The report should be used to provide adequate packaging instructions for DOD users. It is selectable by either LCN range, a specified reference number and CAGE combination, or by a specified degree of protection (DOP). An optional 80-card column magnetic tape output is also available, The report is sequenced in ascending reference number and CAGE, and DOP. The format is contained on figure 33.

30.19.1 The Supplemental Card Indicator (SCI) is generated on the LSA-025 summary based on the following:

If only an "A" card is used, the SCI is "1".
If an "A" and "B" card are used, the SCI is "2".
If an "A", "B", and "C" card are used, the SCI is "3".
If an "A", "B", and "D" card are used, the SCI is "4".

30.20 LSA-026, Packaging Developmental Data. A report of the basic item identification data required for packing and preservation. The report can be requested by a single or multiple LCN, specific reference number or UOC, or SMR source code. The report can be used as a stand-alone or in conjunction with LSA-025 to provide packaging information for DOD users. It is sequenced in ascending reference number and CAGE; within each reference number. The UI prices are listed in descending order; application information is sorted in ascending LCN sequence. The format is contained on figure 34. Spacing between rows and columns is not critical on this report.

30.21 LSA-027, Failure\Maintenance Rate Summary. A report identifying an item and annual operating requirements by LCN and task code. Only tasks with a task function of "H" or "J" are included in this report. The report should be used to provide information necessary to monitor failure rates, failure modes , task frequencies, and MRRs. The format is contained on figure 35. Spacing between rows and columns is not critical on this report.

30.21.1 The user has the option of selecting this report based on the Operating Program, Operating Measurement Base, and the MRRI/MRRII Ratio. When option 1 of the MRRI/MRRII ratio is selected, the user should enter the required operating program and it's associated measurement base (MB). The operating MB should correspond to the MB of the AOR of the item under analysis. If the MRRII is to be calculated, enter the required MRRI/MRRII ratio. If left blank, then MRRII cannot be calculated.

30.21.2 The report provides both the table value and the calculated value of task frequency and MRRs I and II. The task frequency is calculated as described in DED 430, appendix E. The MRRI is calculated using the following formula:

$$\text{MRRI} - \text{Task Frequency} \times \text{Qty/Task} \times \frac{\text{Operating Program (selected)}}{\text{AOR}}$$

The MRRII is calculated using the following formula:

MRRII = MRRI X MRRI/MRRII ratio (selected).

30.21.3 When failure rate, mean time between maintenance (MTBM)-induced, and MTBM-no defect are reported, each value is preceded by (M), (P), (A), or (C) to indicate measured, predicted, allocated, and comparative analysis values, respectively. Where a measured value has not been entered, the report will default to the predicted, then allocated, and finally comparative analysis.

30.21.4 The report is sequenced by ascending values of LCN for a given task code, then ascending task codes. This holds true for the assembly LCN, repair part LCN, and task LCN. For the reliability, availability, and maintainability (RAM) LCNs, they are sequenced in ascending value, then by failure mode indicators (FMI).

30.22 LSA-030, Indentured Parts List. This report consists of four options:

a. Option 1 - Draft Repair Parts and Special Tools List (RPSTL)

b. Option 2 - Proof RPSTL

c. Option 3 - Illustrated Parts Breakdown (IPB)

d. Option 4 - Stockage List Type Four

The format for each option is contained on figure 36.

30.22.1 The draft/proof RPSTL consists of four sections prepared IAW MIL-STD-335(TM) or MIL-M-49502(TM) (Reference MIL-M-49502(TM), paragraph 6.4, for applicable document):

a. Section I, Introduction

b. Section II, Repair Parts List

c. Section III, Special Tools List

d. Section IV, Cross-Reference Indexes

Sections II, III and IV listings are produced as separate sections of this report. The lists may be printed on plain bond paper or may be output to a word processor file to be used as source information for final RPSTL preparation. The format contained on figure 34 represents MIL-STD-335(TM). Reference MIL-M-49502(TM) for the correct format if that document is to be used in lieu of MIL-STD-335(TM).

30.22.2 Documentation of kits for RPSTL. In order to produce kit/kit component listings for the RPSTL, a kit record first must be established and a Provisioning List Item Sequence Number (PLISN) assigned to this item. In the data table, Overhaul-Kit NHA PLISN, against the application of the kit component record, an NHA PLISN entry of the Kit PLISN with an NHA PLISN Indicator of "*" is required. Where the kit component appears in the RPSTL hardware breakout, the phrase "PART OF KIT P/N" (automatically generated), followed by the reference number of the kit, will be displayed following the

provisioning nomenclature in the description column. The kit components are automatically generated beneath the kit. The component listing contains the applicable figure number, item number and quantity per assembly/figure duplicated from the hardware breakout information.

30.22.3 FGC Header. A maximum of 9 lines of 36-position FGC or illustration header information may be entered for each RPSTL figure listing. These headers are not stored in the LSAR.

30.22.4 The report is selectable by technical manual (TM) code and number and TM FGC range. Sections II and III are sequenced by ascending TM FGC, then item number, and PLISN. Section IV, Part Number Index, is sorted in ascending reference number and CAGE; Stock Number Index in ascending NSN national item identification number, Reference Designation Index in ascending reference designation; and, Figure and Item Number Index in ascending figure and item number.

30.22.5 Specific RPSTL processing (draft and proof).

a. The FGC headers are placed in the description column preceding the first row of data matching on FGC with the FGC header key.

b. The PART NUMBER column contains 16-positions of the reference number. If the reference number exceeds 16 positions, the remainder is printed immediately beneath the first 16 on the next line.

c. For the description column, the item name will first appear, then two spaces followed by the provisioning nomenclature, if applicable. The provisioning nomenclature is wrapped in the 36-positions allocated for the description with “breaks” occurring only at spaces. Trailing periods are placed following the last position of the item name/provisioning nomenclature to the end of the description column. If there is an associated TM indenture code, then leading periods are placed prior to the item name, equal to the number in the TM indenture code field.

d. If there is a nuclear hardness critical item code of “Y” against the item, the symbol “(HCI)” will appear following the item name and preceding the provisioning nomenclature.

e. Following the provisioning nomenclature on a separate line, applicable UOCs of the item are entered, preceded by “UOC: “. For the proof RPSTL, if the item has full effectivity, no UOCs are displayed. Full effectivity is determined by comparison of the item’s associated UOCs with all the associated UOCs to the PCCN of the item. For the draft RPSTL, applicable UOCs are always shown regardless of full effectivity.

f. Also extracted for kit entries are information of kit NHAs, which are handled as described in paragraph 30.22.2. The Kit Reference Number is determined by a match of the Kit NHA PLISN to a PLISN under the same PCCN in the parts application provisioning data table. One item may be used in multiple “kits” by multiple kit NHA PLISN HH entries. Beneath each kit, the rows that make up the kit are displayed using by item name, and in parenthesis the quantity per assembly or quantity per figure, the figure number, a dash, then the item number.

g. Under the QTY column, the quantity per figure is displayed, unless blank. If quantity per figure is blank, then quantity per assembly is used.

h. Under the NSN column, a "Y" is displayed if both the federal supply classification (FSC) and National Item Identification Number (NIIN) are not blank and the NIIN does not contain alpha characters for the associated item. Otherwise "N" is displayed.

i. Under the Provisioning List Category Code (PLCC) column, only entries in Tools and Test Equipment PLCC or "D"s are shown.

j. After all information following a FGC header is displayed, and before the next FGC header the phrase "END OF FIGURE" is printed. The information is printed with no line skips between rows. At the end of a page, a page number is assigned using the figure number from the first record following the FGC header, followed by dash then "1". Multiple pages of the same figure follow the same pattern, e.g., 3-1, 3-2, 3-3, etc. A page break occurs with each new FGC Header set under a different FGC. If no FGC header is provided, the report "page breaks" each time the figure number changes.

k. The section III description column is similar to the section II description with the addition of the interpreted basis of issue (BOI). Each BOI is displayed by "BOI: " quantity, then either level or end item. The level is interpreted (see DED 030). The end item is preceded by "PER" and followed by "END ITEMS". The BOI is inserted between the provisioning nomenclature and the UOC lines.

l. Section IV cross-reference indexes are produced as optional outputs, as specified by the requester. The reference designations for the reference designation index will either include those items having a nonidentifying migrating key of the appropriate figure and item number, if these keys are present, or will include all related figure and item numbers, if these keys are not in the reference designation table. Overflows of reference numbers or reference designations exceeding 16 or 32 positions, respectively, are printed on the next line immediately below the first portion of the element.

30.22.6 The IPB consists of four sections prepared IAW MIL-M-38807(USAF):

a. Section I, Front Matter

b. Section II, Maintenance Parts List

c. Section III, Numerical Index

d. Section IV, Reference Designation Index

Sections II, III and IV (each section is optional) listings are produced as separate sections of this report. The lists may be printed on plain bond paper or may be output to a word processor file to be used as source information for final IPB preparation.

30.22.7 Documentation of kits for IPB. Extracted for the IPB are any entries in table HH for qualified rows matching on PLISNs which have an NHA PLISN with an NHA PLISN indicator of asterisk (*). Where the row of information is sorted in the report, the phrase "PART OF KIT P/N" will be displayed followed

by the Reference Number of the Kit. The Kit Reference Number is determined by a match of the table HH NHA PLISN to a table HG PLISN under the same PCCN as the kit component. One row of data may be used for a kit with multiple table HH row entries (kit components). Beneath each kit, the components that make up the kit are displayed by item name, and in parentheses, the Quantity per Figure (QTYFIGHK) or Quantity per Assembly (QTYASYHG), Figure Number (FIGNUMHK), a dash, then Item Number (ITEMNOHK).

30.22.8 The IPB report is selectable by technical manual/technical order (TM) code and number. Section 11 is sequenced by ascending figure number, then index number and Section III by ascending Reference Number. Section IV, Reference Designation Index, is sorted in ascending reference designation.

30.22.9 Stockage List Type Four. This option provides a listing of support items required for a system/equipment. The listing is used as source information for preparation of stockage list type four parts manuals.

30.22.10 The following data headers appearing on the LSA-030 are modified DED, or are in addition to the data element dictionary definitions.

a. Reference Designation (Figure Key) (REF DESIG FIG-KEY). Reference Designation with an associated Reference Designation Code of “F” (first eight positions only).

b. Special Stockage Indicator (SS1). Assigned by the requiring authority, the SSI is left blank by the preparing activity.

c. Replacement Factor (REPL FACTOR). MRRI, fourth through seventh positions only.

d. Quantity per Application and Equipment. These entries are the Quantity per Assembly and Quantity per End Item, respectively.

e. Item No. Item Number is a numeric entry assigned to each item in the report beginning with “l”.

30.22.11 The report is selected by LCN range and is sequenced in ascending Reference Designation.

30.23 LSA-032, Defense Logistics Information System (DLIS) Submittals. This summary provides a cross-reference between reference numbers selected for provisioning screening and the submitter’s control number. DLIS screening is specified by MIL-STD-1388-lA. This summary provides a valuable tool once the items have been screened through DLSC files, and the screening results are received as the DLIS results are sequenced by submitter’s control number. The format is contained on figure 37.

30.23.1. The following definitions are related to terms located on the LSA-032 summary, but not contained in the LSAR:

a. Document Identifier Code (DIC). A three-position alphanumeric code which is used for identifying interservice agency or intraservice agency. logistic transactions. Reference number and CAGE screening requests are identified by DIC “LSR”. Items may be excluded from DLIS screening, if an

entry showing a screening result, is already contained in the DIC field for the reference number and CAGE.

b. Priority Indicator Code (PIC). A single numeric code used to designate the required priority to be applied to processing transactions (see DOD 4100.38-M).

c. Activity Code. A two-position alpha code identifying a DOD activity, Federal agency or other authorized government agency for cataloging, standardization or other management purposes (see DOD 4100.38-M).

d. Destination Code. A five-position alphanumeric code used in conjunction with the activity code to register the address data for recipients of the results of provisioning screening (see DOD 4100.38-M).

e. Output Data Request Code (ODRC). A numeric series of established sets of data (Defense Integrated Data System output segments) identified by specific ODRCs and available for extraction from DLSC files for provisioning and preprocurement screening purposes (see DOD 4100.38-M).

f. Single/Multiple Output Code. A numeric code used by the submitter to indicate whether the results of screening are to be furnished to one or all of the recipients as registered under the applicable activity code and destination code (see DOD 4100.38-M).

g. Submitter's Control Number. A 17-position computer assigned alphanumeric field peculiar to provisioning and preprocurement screening transactions which is used to control and reference the transactions. The number consists of a four position julian date (YDDD), and a unique sequential 13 position number assigned for each reference number and additional reference number package which is to be screened.

h. Statistical Indicator Code. A code designating whether data submitted for screening is required for provisioning or other services (see DOD 4100.38-M).

30.23.2 Report processing.

a. Items may be excluded from the report by already having a screening result displayed in the DIC field, or by DLIS Screening Result Code. The TAPE option results in an 80-column file of part II information. The report is sequenced in ascending submitter control number.

b. The submitter control number is constructed from the PCCN/PLISN of the qualified record. The PLISN used is the lowest valued PLISN for the item within the selected PCCN/LCN range (the Same As PLISN field is blank). If no PCCN/PLISN is recorded for an item, then a Type "1" error is displayed. No rows of data for the item are placed on part II.

c. If Additional Reference Number Select (ARN SEL) is "YES" and if the item has more than 24 additional reference numbers, then error Type "2" is displayed. The first 24 ARNs in ascending reference number sequence are. placed on part 11 of the report.

d. If a specific SOURCE CODE is selected and the SMR is not contained

against an item, at its first appearance, then error Type "3" is shown and the item is disqualified from part II.

e. If TYPE SCREEN CODE is "F" or "S", and if ARN SEL is "YES" and if an Additional Reference Number matches the prime Reference Number, then error type "4" is displayed. Only the duplicate ARN is disqualified from part II. In part 11 of the report, columns 41 and 42 are always left blank for "F" or "S" type screen.

f. If TYPE SCREEN CODE is "P", and if either the reference number category code (RNCC) or reference number variation code (RNVC) is missing for the reference number/CAGE (in HA) or if ARN SEL is "YES" and any additional reference number and CAGE (in HB), then error Type "5" is displayed. If the RNCC/RNVC is an ARN, only the ARN is disqualified from part II. If the RNCC/RNVC is the prime reference number, then the entire item is disqualified from Part II.

30.24 LSA-033, Preventive Maintenance Checks and Services (PMCS). This summary provides operator/crew and organizational level preventive maintenance task identification and description and equipment availability results. The PMCS are required for the operator and organizational level TMs and are based on the results of the reliability centered maintenance analysis. The report is selectable by either LCN range or TM code and number. The format is contained on figure 38. Spacing between rows and columns is not critical on this report.

30.24.1 Task interval values are interpreted as follows; "A", BEFORE; "D", DURING; "H", AFTER; "C", DAILY; "L", WEEKLY; "P", MONTHLY; "M", QUARTERLY; "N", SEMIANNUALLY; and "Q", YEARLY. If the interval is "B", then the maintenance interval (DED 208) and measurement base (DED 238) are displayed under the interval column. The measurement base is interpreted on the report, e.g., "S" is ROUNDS. If the report is selected by TM Code, tasks are qualified to the PMCS report by an associated PMCS indicator (Table CA). If the report is selected by LCN range, tasks are further qualified by maintenance level (Task Code, third position) of Crew or Organizational.

30.24.2 The report is sequenced in ascending Task Code Interval in the order contained in paragraph 30.24.1, then by ascending LCN. Each LCN is assigned a numeric item number beginning with "0001". An alphabetic sequence code beginning with "A" is assigned to each task against the same LCN with the same Task Code Interval. If the report is selected by LCN range, a page break is required between output of Operator/Crew level PMCS tasks and Organizational level PMCS tasks.

30.25 LSA-036, Provisioning Requirements. This report is a summary of those data recorded on the data tables identified for provisioning requirements. The summary contains that data required for review at various provisioning conferences (e.g., long-lead time items conference, provisioning conference, etc.) and is used in the selection procedures to identify repair parts requirements in support of the equipment to be fielded. The summary will satisfy the deliverables cited in MIL-STD-1388-1A. Format contained in table I and sample report on figure 39.

30.25.1 The following "header" data required to identify the specified list(s) are not a part of the LSAR, but are contained in the LSA-036 summary:

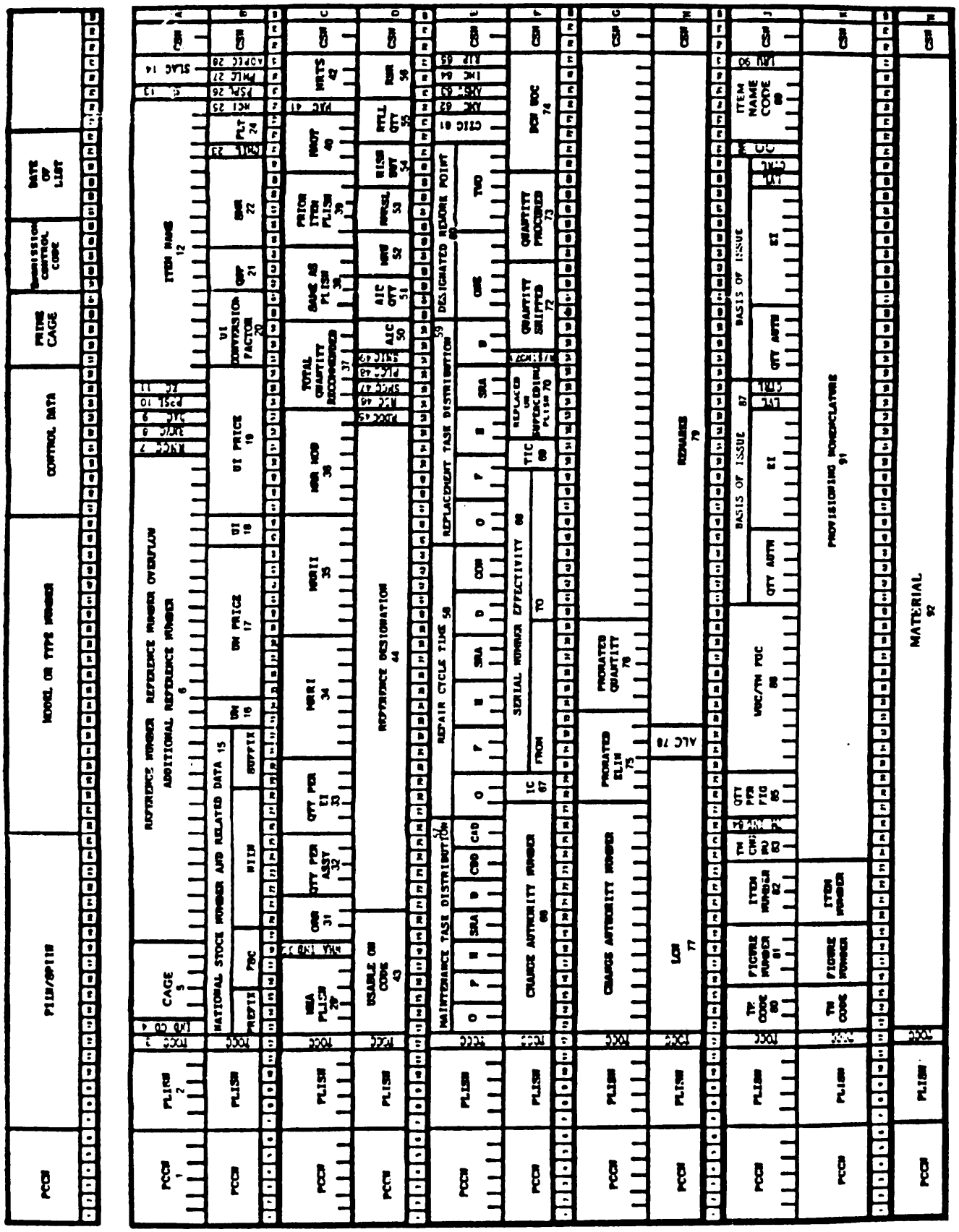


TABLE I. LSA-036 report format.

a. Procurement Instrument Identification (PII). A 19-position alphanumeric entry used to identify a specific, contractual document. The PII includes the PII number (PIIN) (13 positions), ‘and the supplementary PII number (SPIIN) (6 positions).

b. Nomenclature of model or type number. A 21-position alphanumeric entry used to specify the name, model, or type of equipment being provisioned.

c. Control Data. A 10-position alphanumeric entry used for control information as specified by the requiring authority. This information may consist of such items as identification of provisioning data in MIL-STD-1388-2 format or a Weapons System Code.

d. Prime Contractor's CAGE. A five-position alphanumeric entry which identifies the prime contractor for the equipment being provisioned.

e. Submission Control Code. A five-position numeric entry used to control the submission of provisioning data. The first submission will be 00001, and each subsequent submission is to be numbered sequentially, one greater than the prior submission.

f. Date list submitted. A six-position numeric entry used to identify the date of submission. The first two positions will identify the year, the next two will identify the month, and the last two will identify the day.

30.25.2 DEDs for those data contained on the LSA-036 summary are contained in appendix E. The first card appearing on an LSA-036 list is the header record. Following this record, the LSA-036 report is sequenced by ascending PLISN in Binary-Coded-Decimal (BCD), or Extended BCD Interchange Code (EBCDIC) collating sequence. The PLISNs are then sequenced by ascending Card Format Indicator (CFI). Multiple CFIs are sequenced by Type of Change Code (TOCC) in the following order: blank, D, G, L, Q, and M. Finally, within the TOCC, items are sorted by ascending Card Sequence Number (CSN).

30.25.3 The report will display the following provisioning report control data:

a. CSN. A two-position numeric code which is used to sequence multiple data input cards for a specific card format indicator. The initial card entry is coded 01. Subsequent cards are coded 02-99.

b. CFI. A one-position alphabetic code: A-H, J-L used to identify a card format and content.

c. Reference Designation Overflow Code (RDOC) (Card/Block, D/45, on the LSA-036 summary). A one-position alphabetic code: A and B used to link a long Reference Designation which exceeds 32 characters. Code “A” is entered against the first 32 characters, and code “B” is entered against the last 32 character-s.

d. Multiple-Configuration UOC. A one, two or three-position alphanumeric code that indicates the configuration(s) of a system/equipment on which the item under analysis is used based on the UOC (DED 501) assignments. The UOC is alphabetic in the sequence A-Z, followed by AA-ZZ (less Is and Os). A blank UOC indicates that the assembly/part is used in all configurations. For

example:

If there were three different model designations (in table XC) for a given PCCN as shown below:

Model	UOC (DED 501)
(V)l	A
(V)2	B
(V)3	c

A single UOC is assigned to each item's application based on the number of model configurations that the LCN is used on (table HO). (The combination model UOCs (D, E, and F) are automatically generated.)

LCN	UOC	System/End Item
lA1	(blank)	(Used in all configurations)
1A2	A	(Used in (V)l configuration only)
1A21	B	(Used in (V)2 configuration only)
1A3	C	(Used in (V)3 configuration only)
1A31	D	(Used in (V)l and (V)2 configurations)
1A312	E	(Used in (V)l and (V)3 configurations)
1A318	F	(Used in (V)2 and (V)3 configurations)

e. Quantity per End Item (QPEI) (DED 317). The QPEI (three options) may be computed during the LSA-036 report preparation using the formulas provided in the data definitions.

f. NHA PLISN (DED 258) and Overhaul Replacement Rate (ORR) (DED 281) Assignment. The NHA PLISNs may be assigned during the LSA-036 report preparation based on the item having a P- source code, an ORR entry, and a higher assembly PLISN having an SMR Code of P--D-. The base ORR of the item is multiplied by the Quantity per Assembly (QPA) for each succeeding indenture level. For example:

PLISN	IND CD	SMR	QPA	NHA PLISN	NHA-IND	ORR
CFFF	F	PADZZ	0002	CEAA	N	005
CEAA	E	PAHDD	0002	CDEE	N	001
CDEE	D	PAHDD	0003	CCDD	N	
CCDD	c	PAFHH	0001	CB12	N	002
CB12	B	PAODD	0002	AAAA	E	001
AAAA	A	PAODD	0001			

For PLISN CFFF, the Overhaul PLISNs and associated ORRs are:

OVERHAUL PLISN	ORR
CDEE	015
CB12	030
AAAA	030

NOTE: PLISN CEAA is the item's immediate NHA PLISN. PLISN CCDD is disqualified because it is SMR Coded PAOHH.

g. Same as PLISN (DED 364). The Same as PLISN may be assigned during the LSA-036 summary preparation.

h. Indenture Code (DED 162). The "A" indenture code (for the XB table system/end item) is assigned by the LSA-036 process.

30.25.4 LSA-036 Update and Design Change Notices. There are five basic types of LSA-036 updates which can result when LSAR data is added, changed, or deleted affecting provisioning lists (PL) previously delivered. These transactions can be automatically generated using a validated LSAR ADP system by establishing baseline records upon initial submission of the LSA-036. These transactions are based upon a comparison of the current LSAR provisioning oriented data tables and provisioning data baselined by a previous LSA-036 submittal.

a. Standard Data Update. For each LSA-036 card affected by data which has been added or changed since the previous PL delivery or LSA-036 update, mandatory data, i.e., PCCN, PLISN, CSN, and CFI, an "M" TOCC and the added/changed data only are entered. If data has been deleted, a "G" is entered in the TOCC and in the left most position of each field deleted on the appropriate LSA-036 card. Data deletions and changes/additions occurring on the same LSA-036 card will require both a change and deletion card for the appropriate data.

(1) If all data on an LSA-036 CFI is deleted, a delete transaction will be generated consisting of the PCCN, PLISN, CSN "01", CFI (except A), the key data associated with that CFI, and a "G" TOCC.

(2) When an entire PLISN record is deleted, a delete transaction will be generated consisting of the appropriate PCCN, PLISN, CAGE, Reference Number, and a "D" TOCC on the OIA card. Also, if the reference designation exists, it is displayed with the PCCN and PLISN on the OID card with a "G" TOCC. In addition, if any change authority related information is changed, CFIS "F", "G", and "H" update transactions are also processed.

b. Quantity Data Update. If a quantity field is updated, mandatory data, a "Q" TOCC, and the updated quantity data field(s) are entered. This will only apply to the following data: QPA, QPEI, Total Quantity Recommended, Allowance Item Code Quantity, Minimum Replacement Unit, Recommended Initial System Stock Buy, Recommended Minimum System Stock Level, Recommended Tender Load List Quantity, Quantity Shipped, Quantity Procured and Prorated Quantity. If additional data displayed on the same LSA-036 card also changes during the update, only one change card is entered with TOCC "Q". If quantity data is deleted, a change card is entered with a zero filled quantity and TOCC "Q".

c. Key Data Update. Certain provisioning data are considered key and associated data elements and are listed below. Changes to key data requires the submission of both a delete and change card for the appropriate key data. The deletion card should contain a "G" TOCC and the original key data. The change card should contain an "M" TOCC with new key data and applicable associated data. Deletion of key data will result in deletion of the corresponding associated data.

KEY DATA	ASSOCIATED DATA
(1) CAGE and Additional Reference Number	RNCC and RNVC

(2) NHA PLISN	ORR, NHA IND.
(3) UOC	None
(4) Reference Designation	RDOC RDC
(5) PLCC	None
(6) Change Authority Number	Serial Number Effectivity Prorated Exhibit Line Item Number Prorated Quantity IC, Replaced or Superseding PLISN, R/S Indicator, Design Change Notice (DCN) UOC, Total Item Changes Quantity Shipped Quantity Procured
(7) Serial Number Effectivity	None
(8) DCN UOC	None
(9) TM Code	Figure Number Item Number
(10) TM Code, Figure Number Item Number TM FGC	Basis of Issue (BOI) TM Change Number, TM Indenture Code Quantity per Figure
(11) TM Code Figure Number Item number	Provisioning Nomenclature
(12) BOI-Control	BOI-Quantity Authorized BOI-End Item, BOI-Level

d. Associated Data Update. Changes to associated data require the submission of a change card consisting of an “M” TOCC with the changed data and entry of the applicable key data. Deletion of associated data requires the submission of a deletion card with a “G” TOCC, a “G” in the left most position of the associated data field and entry of the key data.

e. DCN. DCN information is not distinguished from other updated data for a particular LSA-036 update using a validated LSAR ADP system. DCNs can be processed as a separate and distinguishable report by specifying that DCN affected data must be processed as an exclusive update, i.e., by performing an LSA-036 update, entering the DCN information into the LSAR, and again running an LSA-036 update. An option to obtain an LSA-036 report for updated data pertaining to a specific Change Authority Number is provided on the LSA-036 report options. DCN information updates are similar to other update transactions with the following exception: When a Change Authority Number and Serial Number effectivity are entered, an “L” TOCC is entered for the replaced item. If a quantity change occurs on a limited effectivity item, an “L” TOCC is entered in lieu of a “Q”.

30.30.2 When elapsed time and man-hours are reported, each number is preceded by (M) or (P) to designate either measured or predicted values, respectively. Where a measured value has not been input into the LSAR, the report will default to the predicted value.

30.30.3 When the failure rate is reported, it is preceded by (M), (P), (A), or (C) to indicate measured, predicted, allocated, and comparative analysis values , respectively. Where a measured value has not been entered, the report will default to the predicted, allocated, and finally comparative analysis.

30.31 LSA-056, Failure Modes, Effects and Criticality Analysis (FMECA) Report. This summary consists of three parts. The first part contains FMECA, criticality analysis, maintainability information, damage mode and effects analysis, and minimum equipment listing information, as specified by MIL-STD-1629. The second part is the criticality analysis information which is a listing in descending order of each item's computed criticality or failure mode criticality number by SHSC. This part is selectable by SHSC(s) and failure mode criticality numbers greater than a selected value. This part should be used to identify candidates for RCM analysis or design reviews. The third part is the failure mode analysis summary which consists of the failure modes and failure rates of each repairable item. The report should be used to identify failure modes which impact item criticality number and SHSC assignment. The format is contained on figure 45. Spacing between rows and columns is not critical on this report.

30.31.1 If part 1 of this report is selected, enter the SHSC (1, 2, 3, 4) of he failure modes which are of interest. If the SHSC field is left blank, then only SHSCs 1 and 2 will be considered. A selection must be made for either minimum Failure Probability Level or minimum Failure Mode Criticality Number. If both are selected, Failure Probability Level will be disregarded.

30.31.2 Parts 1 and 3, Item Criticality Number (Cr) is calculated using formulas contained in DEDs 178 and 133 (Failure Mode Criticality Number).

30.31.3 In Part 3, an edit check is made on this report to ensure that the sum of the failure mode ratios never exceeds 1.00 for a given LCN. If this occurs, an "***" will be printed out under the Failure Mode Ratio header.

30.31.4 When failure rate is reported, it is preceded by (M), (P), (A), or (C) to indicate measured, predicted, allocated, and comparative analysis values , respectively. Where a measured value has not been entered, the report will default to the predicted, then allocated, and finally comparative analysis. In part II, overflows of Reference Number exceeding 16 positions are printed on the next line immediately below the first position of the Reference Number.

30.31.5 Part 1 of the report is sequenced by ascending LCNs, FMIs, MPCs, then SHSCS. Part 2 is sequenced by ascending values of Failure Probability Level, then LCN. Part 3 is sequenced by ascending LCNs.

30.32 LSA-058, Reliability Availability and Maintainability Summary. This summary consists of two parts. The first part is the reliability summary redesign which provides a narrative description for an item on which a redesign is proposed. This part should be used to review potential candidates for redesign. The second part details the level of repair to be performed on

an item for all maintenance levels. This part is used to review the reliability and maintainability factors for the' repair time of an item. The format is contained on figure 46. Spacing between rows and columns is not critical on this report.

30.32.1 In part 1 of the report, Failure Mode Criticality Number or Failure Probability Level may be used. However, Failure Mode Criticality Number should be used whenever possible. Also, if the LCN type of subject LCN is functional, then the reference number and CAGE may not appear. In part 2, the (P) or (M) preceding the elapsed time values represent predicted and measured, respectively. Measured values take precedence.

30.32.2 Part 1 of the report is sequenced by ascending LCNs, then FMIs. Part 2 is sequenced by maintenance level, then ascending LCNs and FMIs within each maintenance level.

30.33 LSA-065, Manpower Requirements Criteria. This summary provides manhour summary information by each task. The format is contained on figure 47. Spacing between rows and columns is not critical on this report.

30.33.1 The following formula applies for Mean Time Between Task Maintenance Actions (MTBTMA) and Man-Hours per' Person Identifier (M-HRS PER PERS ID):

a. $MTBTMA_i = \frac{\text{Annual Operating Requirements}}{(\text{Task Frequency})_i}$

Where: i - task code$_i$

b. M-HRS PER PERS ID is computed by summing all subtask mean man-minutes per person identifier for each entry matching an identical person identifier and SSC and then dividing this value by 60.

30.33.2 The report displays the system/component reference number. Within each reference number, tasks are displayed by unscheduled/on equipment (task interval codes F, G, and J; and task operability codes A, B, C, D, and E); unscheduled/off equipment (task interval codes F, G, and J; and task operability Code G); and, scheduled (all task interval codes except F, G, J, and Y).

30.34 LSA-070, Support Equipment Recommendation Data (SERD). A report describing requirements for and of one piece of support equipment. This report will include administrative data, description of equipment, allocation data, design data, and Integrated Logistic Support (ILS) requirements as specified by MIL-STD-2097. Format contained in figure 48. Spacing between rows and columns is not critical on this report.

30.34.1 The E-CAGE/PN (Equivalent CAGE and Part Number) code in section 2 is generated based on whether or not the support equipment reference number and CAGE has equivalent part numbers and CAGES. This is determined by searching the HB table additional reference numbers and CAGES, and if any are found, a "Y" code is produced for this field; otherwise, an "N" code is produced. If any matches are found in table HB, they are output in section 2 (following the Articles Requiring Support section) under the heading of Equivalent CAGE/PN(S) (page 6 of the LSA-070 example).

based on the repair code:

If position 4 (repair) is:	position 5 (recoverability) must be:
Z	Z, A
O (2, 3, 4, 5, 6) Navy only	O, F, H, G, D, L, A
F	F, H, G, D, L, A
H	H, G, D, L, A
G	G, D, L, A
D	D, L, A
L	D, L, A
B	Z, A

g. An assembly is SMR coded repairable (e.g., SMR-4 is not Z or B) but has no parts breakout beneath it.

h. Items having the error codes 2 and 3 with PCCN selection are listed on the LSA-080, part II only. Other errors are flagged with "**" to the right of the line the error appears in part I and also displayed in part II. The error messages are displayed on part II.

30.42.4 The report is sequenced in either ascending assembly reference number and CAGE, or in ascending assembly PLISN and then components of assembly PLISNs based on the selection option specified.

30.43 LSA-085, Transportability Summary. This report provides information critical to the shipping and transport of major end items of equipment. It includes environmental and hazardous material information necessary for safe transport of an item by air, highway, rail, and sea. The format is contained on figure 57. Spacing between rows and columns is not critical on this report.

30.43.1 If the LCN type of subject LCN is functional, NSN and related data, reference number, and CAGE may not be available. Overflows of Reference Number exceeding 16 positions are printed on the next line immediately below the first position of the Reference Number. This report is sequenced by ascending LCNs.

30.44 LSA-126, Hardware Generation Breakdown Tree. This summary provides a concise summary of information pertaining to a system/equipment breakdown. Each item is blocked in and indented to the proper level in the hardware family tree and displayed by line relationship beneath the appropriate assembly in which the item is contained. The format is contained on figure 58. Spacing between rows and columns is not critical on this report.

30.45 LSA-151, Provisioning Parts List Index (PPLI). This summary provides a cross reference between reference numbers and the applicable PLISN of the provisioning list as required by MIL-STD-1388-1A. It provides a ready reference of usage and location within the provisioning list for a given reference number. The report can be generated in reference number, LCN, or PLISN sequence. Additional data which further describes the item at its usage level(s) are provided for the user's information (i.e., item name, quantities, SMR, etc.). The format is contained on figure 59. Spacing between rows and columns is not critical on this report.

30.46 LSA-152, PLISN Assignment/Reassignment . This summary provides a listing, by reference number, of PLISN, Indenture Code (IC), NHA PLISN, and PRIOR ITEM PLISN, assigned by the LSAR system based on parameters of the assignment select card. The summary will depict the file content before and after the assignments or reassignments are made (PLISNs are assigned using the EBCDIC collating sequence). As an option, this report can be used to assign provisioning related control and reference data to the LSAR Parts Master File. The format is contained on figure 60. Spacing between rows and columns is not critical on this report.

30.46.1 It is necessary that the LSAR be properly structured using either a uniform (nonbroken) LCN structure when applying either a classical or modified classical LCN assignment technique; or an LCN-IC (Table XB) assignment without missing or unlinked indenture levels, when LCNs are assigned using the sequential method. Using the LSA-080 report, the analyst can review the file for correct structure, or by using the LSA-152 report detect error conditions in file structure.

30.46.2 The LSA-152 report consists of two parts. Part I will only be output when an error in file structure is encountered, or when the PLISN assignment (with selected PLISN spacing) exceeds the limit of 9999 for the proposed assigned PMF candidates. When these occur, the error location in the file is depicted on the report with a display of the unlinked or remaining file segment. If an error condition does occur, the LSA-152 process will not assign any PLISNs, but will continue processing to determine whether additional error conditions exist in the file. Validated LSAR systems will be required to have the capability to produce an error listing for the LSA-152 report. However, the format, messages and explanation of those messages for the error listing is vendor dependent. Part II of the report reflects the results of the PLISN assignment/reassignment ; only a Part I or a Part II will be produced in a processing cycle. Also, PLISN assignment must occur as an exclusive cycle .

30.46.3 The report selection for PLISN assignment occurs within a PCCN and optionally a Start and Stop LCN range. ALC is not a selection option. Alternate LCNS (ALCs other than basic - 00) must be considered when assigning the basic LCN PLISNs because alternates may have basic items as NHAs. A row in table HO creates the end item (XC) to part application (HG) relationship. One HG row cannot be related to multiple PCCNs except when the item is a subordinate end item. When the item is a subordinate end item, HO would have one row depicting the end item relationship (end item and item LCN-ALCs are the same), and one or more rows showing the relationship to the system. Having the end items located in the XC table, and the fact that no item except subordinate end items can be linked to more than one PCCN through table HO, makes the Suppression Indicator Code obsolete.

30.46.4 Since there are unlimited “correct” structuring techniques using the ALC, there is no system edit to detect errors in file structure when the ALC is utilized, other than missing an indenture level when the ALC is being sequenced to the “basic” LCN structure. ALC assignment errors, therefore, can only be detected by a manual review of the LSA-152 or LSA-080 reports.

30.46.5 There is a wide range of options when using the PLISN assignment routine:

a. NHA PLISNs and/or ICs may be assigned to the PMF, if this option is selected on the 152 report.

(1) If the file is constructed using the classical/modified classical LCN assignment technique, the IC may be assigned, provided the LCN structure exists in the XA table. Asterisk ICs may be assigned to the parts file based on the ICC of "9" representing kit components being previously assigned (Table HG). An option is also available to assign a constant NHA PLISN indicator of "N" against each NHA PLISN assigned to the HH table.

(2) When a sequential LCN assignment method is utilized, the LCN structure field may be left blank in the XA table, and the LCN-ICs must be entered in the XB table in order to assign NHA PLISNs. The IC (Table HG) should be that of the provisioned end item, while the LCN-IC should be related to the system level in the LSAR.

b. When assigning PLISNs for a subordinate end item, the IC is not assigned to the HG table. For example, a separately provisioned end item at the "C" indenture to the system (LCN-IC, table XB) will have an IC of "A" come out on the LSA-152 and LSA-036 reports, but will keep its IC of "C" assigned under the system end item assignment. All components to the subordinate end item will still have their IC assigned as before. For example, a "D" indenture item item under the "C" indenture subordinate end item will have a "B" IC assigned when PLISN assignment is run against the "C" indenture subordinate end item.

c. PLISNs may be assigned only to items that qualify by PTD Selection Code for a specified Provisioning List (PL) or lists (Table HG).

d. PLISNs may be assigned in either topdown (LCN) or Reference Number sequence. When PLISNs are assigned in Reference Number sequence, the system will lock out the option to assign NHA PLISNs/ICs.

e. PLISNS may be assigned as either all alphabetic, alphanumeric, numeric, or, first position alphabetic, then second through fourth position numeric,

f. A starting PLISN value may be specified on the report selection card.

g. PLISN values of "W" through "AMHZ" may be reserved for the system level and separately provisioned end items (Model Reserve). If this option is selected, a starting model PLISN value may be specified (within the given range). If none is selected, the first model PLISN assignment will be "AAM".

h. PLISNs may be assigned to overlay old PLISN values established in the file; to overlay PLISNs and to move the old PLISN value to the Prior Item PLISN field; or to assign PLISNs only to items that do not have a PLISN value already established (insert) (Insert/Overlay selection on report). If the insert option is chosen, PLISNs already assigned to the file must match with the LCN structure or LCN-ICs of the selected LCN range.

i. It is possible to skip PLISN values between the assigned PLISNs for

future use, when the item is impacted by Design Change Notice or Engineering Change Proposals, or for when the item having PLISNs assigned is not fully broken down to piece part level. This option cannot be utilized if the insert option (paragraph h) is in use. PLISN gaps may be as great as 1,121.

j. PLISNs may be assigned to items based upon the Data Status Code (Table HG) contained against the qualified item. This can be useful when performing incremental provisioning on an LSAR that is not fully mature.

30.47 LSA-154, Provisioning Parts Breakout Summary. This report provides a two-part summary of each reference number and can be utilized to assist in performance of the DOD Replenishment Parts Breakout Program. Included in part I of the report are critical pricing and breakout program information. It is sequenced in ascending reference number and CAGE. Part II contains selected parts application data and is sequenced in ascending LCN. If both parts are selected, a separate page of the report for each reference number and CAGE is prepared. If only part I is required, there is no page break between reference numbers. The report may be selected by contractor technical information codes, source codes, reference number or report parts. The format is contained on figure 61. Spacing between rows and columns is not critical on this report.

30.48 LSA-155, Recommended Spare Parts List for Spares Acquisition Integrated with Production (SAIP). This summary provides the data required for SAIP list, as specified by MIL-STD-1388-1A. Either the unit of measure or issue prices may be displayed and are presented by ascending reference number and CAGE. Items are qualified for the SAIP List based on entry of “Y” in the SAIP code (DED 391). The format is contained on figure 62. Spacing between rows and columns is not critical on this report.

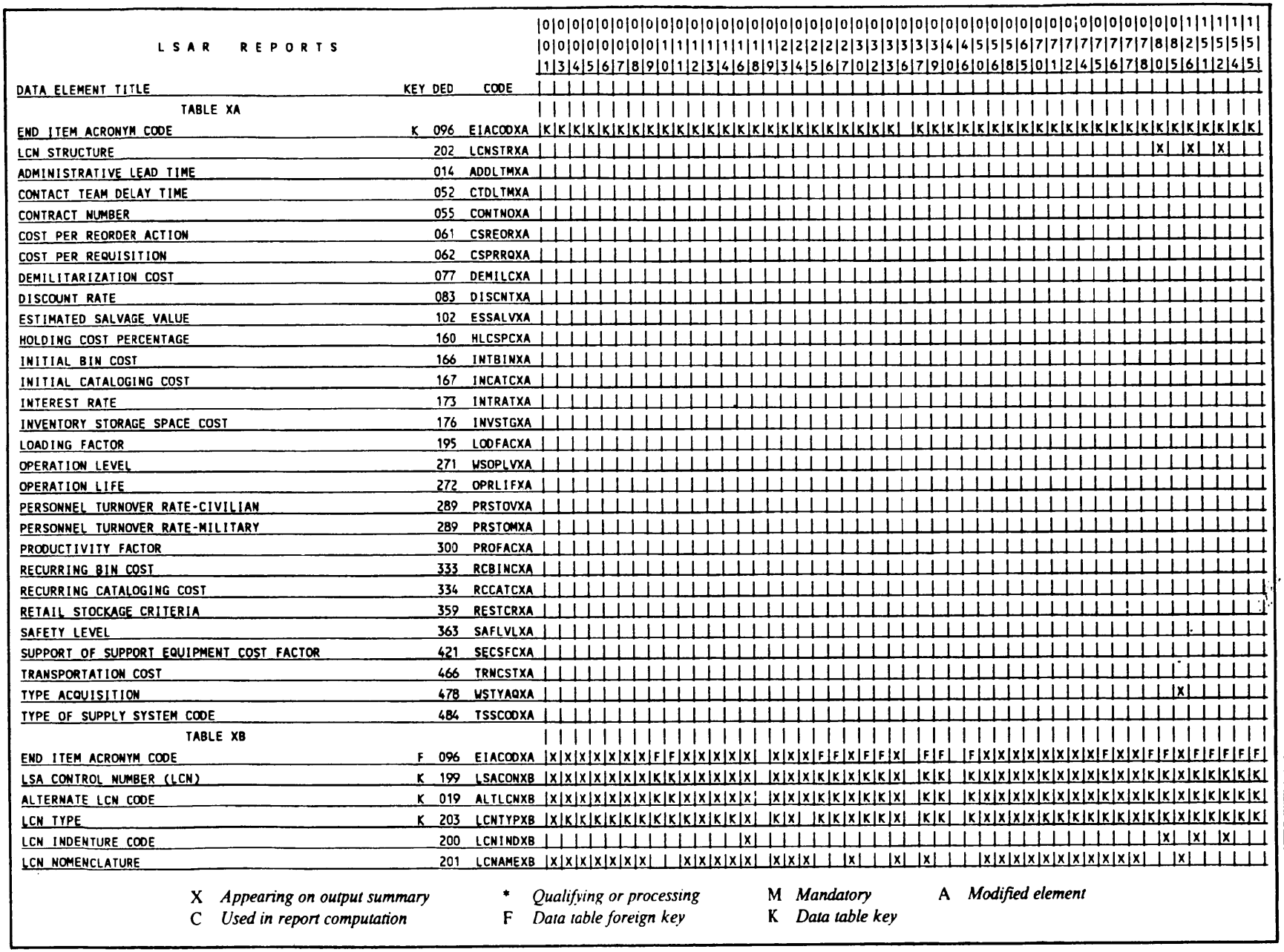


FIGURE 14. LSAR data tables to report matrix

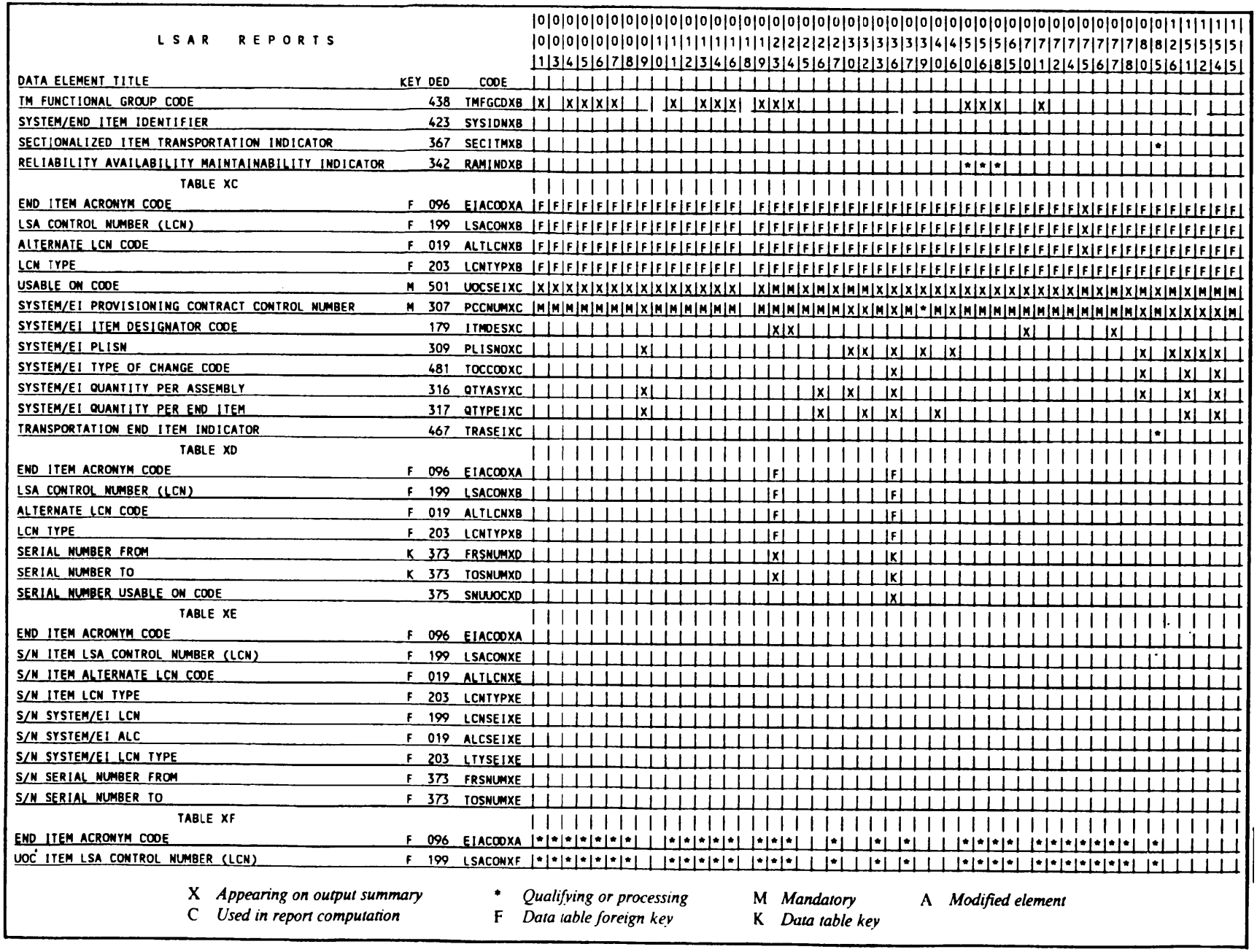


FIGURE 14. LSAR data tables to report matrix - Continued.

L S A R   R E P O R T S

DATA ELEMENT TITLE	KEY	DED	CODE	001	003	004	005	006	007	008	009	010	011	012	013	014	016	018	019	023	024	025	026	027	030	032	033	036	037	039	040	046	050	056	058	065	070	071	072	074	075	076	077	078	080	085	126	151	152	154	155
UOC ITEM ALTERNATE LCN CODE	F	019	ALTLCNXF	*	*	*	*	*	*	*			*	*	*	*	*		*	*	*			*			*		*				*	*	*	*		*	*	*	*	*	*	*		*					
UOC ITEM LCN TYPE	F	203	LCNTYPXF	*	*	*	*	*	*	*			*	*	*	*	*		*	*	*			*			*		*				*	*	*	*		*	*	*	*	*	*	*		*					
UOC SYSTEM/EI LCN	F	199	LCNSEIXF	*	*	*	*	*	*	*			*	*	*	*	*		*	*	*			*			*		*				*	*	*	*		*	*	*	*	*	*	*		*					
UOC SYSTEM/EI ALC	F	019	ALCSEIXF	*	*	*	*	*	*	*			*	*	*	*	*		*	*	*			*			*		*				*	*	*	*		*	*	*	*	*	*	*		*					
UOC SYSTEM/EI LCN TYPE	F	203	LTYSEIXF	*	*	*	*	*	*	*			*	*	*	*	*		*	*	*			*			*		*				*	*	*	*		*	*	*	*	*	*	*		*					
TABLE XG																																																		
END ITEM ACRONYM CODE	F	096	EIACODXA	*	*	*	*	*	*	*			*	*	*	*	*		*	*	*			*			*		*				*	*	*	*		*	*	*	*	*	*	*		*					
PHYSICAL LSA CONTROL NUMBER (LCN)	F	199	PLSACNXG	*	*	*	*	*	*	*			*	*	*	*	*		*	*	*			*			*		*				*	*	*	*		*	*	*	*	*	*	*		*					
PHYSICAL ALTERNATE LCN CODE	F	019	PALCNCXG	*	*	*	*	*	*	*			*	*	*	*	*		*	*	*			*			*		*				*	*	*	*		*	*	*	*	*	*	*		*					
PHYSICAL LCN TYPE	F	203	PLCNTYXG	*	*	*	*	*	*	*			*	*	*	*	*		*	*	*			*			*		*				*	*	*	*		*	*	*	*	*	*	*		*					
FUNCTIONAL LSA CONTROL NUMBER	F	199	FLSACNXG	*	*	*	*	*	*	*			*	*	*	*	*		*	*	*			*			*		*				*	*	*	*		*	*	*	*	*	*	*		*					
FUNCTIONAL ALTERNATE LCN CODE	F	019	FALCNCXG	*	*	*	*	*	*	*			*	*	*	*	*		*	*	*			*			*		*				*	*	*	*		*	*	*	*	*	*	*		*					
FUNCTIONAL LCN TYPE	F	203	FLCNTYXG	*	*	*	*	*	*	*			*	*	*	*	*		*	*	*			*			*		*				*	*	*	*		*	*	*	*	*	*	*		*					
TABLE XH																																																		
COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE	K	046	CAGECDXH			K	K	K	K	K	K	K		K	K		K		K	K	K	K	K	K	K	K		K	K	K	K	K		K	K		K	K	K	K		K	K	K	K	K	K	K	K	K	K
CAGE NAME		047	CANAMEXH																												X															X				X	
CAGE STREET		047	CASTREXH																												X															X					
CAGE CITY		047	CACITYXH																												X															X					
CAGE STATE		047	CASTATXH																												X															X					
CAGE NATION		047	CANATNXH																												X															X					
CAGE POSTAL ZONE		047	CAPOZOXH																												X															X					
TABLE XI																																																		
TM CODE	K	437	TMCODEXI			X																			K		K	K			K																				
TM NUMBER		440	TMNUMBXI			X																			X		X	X			X																				
TABLE AA																																																		
END ITEM ACRONYM CODE	F	096	EIACODXA																	F													F										F								
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB																	X													X										F								
ALTERNATE LCN CODE	F	019	ALTLCNXB																	X													X										F								
LCN TYPE	F	203	LCNTYPXB																	F													F										F								
SERVICE DESIGNATOR CODE	K	376	SERDESAA																	X													K										K								
REQUIRED MAXIMUM TIME TO REPAIR		222	MAXTTRAA																	X																																
REQUIRED PERCENTILE		286	PERCENAA																	X																																
REQUIRED ACHIEVED AVAILABILITY		001	ACHAVAAA																	X													X																		
REQUIRED INHERENT AVAILABILITY		164	INHAVAAA																	X													X																		
OPERATIONAL MEAN ACTIVE MAINTENANCE DOWNTIME		223	OMAMDTAA																	X																																
TECHNICAL MEAN ACTIVE MAINTENANCE DOWNTIME		223	TMAMDTAA																	X																																
REQUIRED OPERATIONAL MEAN TIME TO REPAIR		236	OPMTTRAA																	X																																
REQUIRED TECHNICAL MEAN TIME TO REPAIR		236	TEMTTRAA																	X																																

X *Appearing on output summary*   * *Qualifying or processing*   M *Mandatory*   A *Modified element*
C *Used in report computation*   F *Data table foreign key*   K *Data table key*

FIGURE 14. LSAR data tables to report matrix - Continued.

LSAR REPORTS				
DATA ELEMENT TITLE	KEY	DED	CODE	
NUMBER OPERATING LOCATIONS		262	NUOPLOAA	
CREW SIZE		064	CREWSZAA	
TOTAL SYSTEMS SUPPORTED		454	TOSYSUAA	X
RELIABILITY CENTERED MAINTENANCE LOGIC UTILIZED		345	RCMLOGAA	X
TABLE AB				
END ITEM ACRONYM CODE	F	096	EIACODXA	F
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB	F
ALTERNATE LCN CODE	F	019	ALTLCNXB	F
LCN TYPE	F	203	LCNTYPXB	F
SERVICE DESIGNATOR CODE	F	376	SERDESAA	F
OPERATIONAL REQUIREMENT INDICATOR	K	275	OPRQINAB	K
ANNUAL NUMBER OF MISSIONS		021	ANNOMIAB	
ANNUAL OPERATING DAYS		022	ANOPDAAB	
ANNUAL OPERATING TIME		024	ANOPTIAB	
MEAN MISSION DURATION		228	MMISDUAB	X
MEAN MISSION DURATION MEASUREMENT BASE		238	MMISDMAB	X
REQUIRED OPERATIONAL AVAILABILITY		273	OPAVAIAB	X
REQUIRED ADMINISTRATIVE AND LOGISTIC DELAY TIME		013	OPALDTAB	
REQUIRED STANDBY TIME		403	OSTBTIAB	
TABLE AC				
END ITEM ACRONYM CODE	F	096	EIACODXA	F
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB	F
ALTERNATE LCN CODE	F	019	ALTLCNXB	F
LCN TYPE	F	203	LCNTYPXB	F
SERVICE DESIGNATOR CODE	F	376	SERDESAA	F
OPERATIONAL REQUIREMENT INDICATOR	F	275	OPRQINAB	F
OPERATIONS AND MAINTENANCE LEVEL CODE	K	277	OMLVLCAC	K
MAINTENANCE LEVEL MAXIMUM TIME TO REPAIR		222	MLMTTRAC	X
MAINTENANCE LEVEL PERCENTILE		286	MLPERCAC	X
NUMBER OF SYSTEMS SUPPORTED		265	MLNSSUAC	
MAINTENANCE LEVEL SCHEDULED ANNUAL MAN-HOURS		020	MLSAMHAC	X
MAINTENANCE LEVEL UNSCHEDULED ANNUAL MAN-HOURS		020	MLUAMHAC	X
SCHEDULED MAN-HOUR PER OPERATING HOUR		215	MLSMHOAC	X
UNSCHEDULED MAN-HOUR PER OPERATING HOUR		215	MLUMHOAC	X
UNSCHEDULED MAINTENANCE MEAN ELAPSED TIME		499	MLUMETAC	X
UNSCHEDULED MAINTENANCE MEAN MAN-HOURS		499	MLUMMHAC	X
TABLE AD				
END ITEM ACRONYM CODE	F	096	EIACODXA	F

X *Appearing on output summary* * *Qualifying or processing* M *Mandatory* A *Modified element*
C *Used in report computation* F *Data table foreign key* K *Data table key*

FIGURE 14. LSAR data tables to report matrix - Continued.

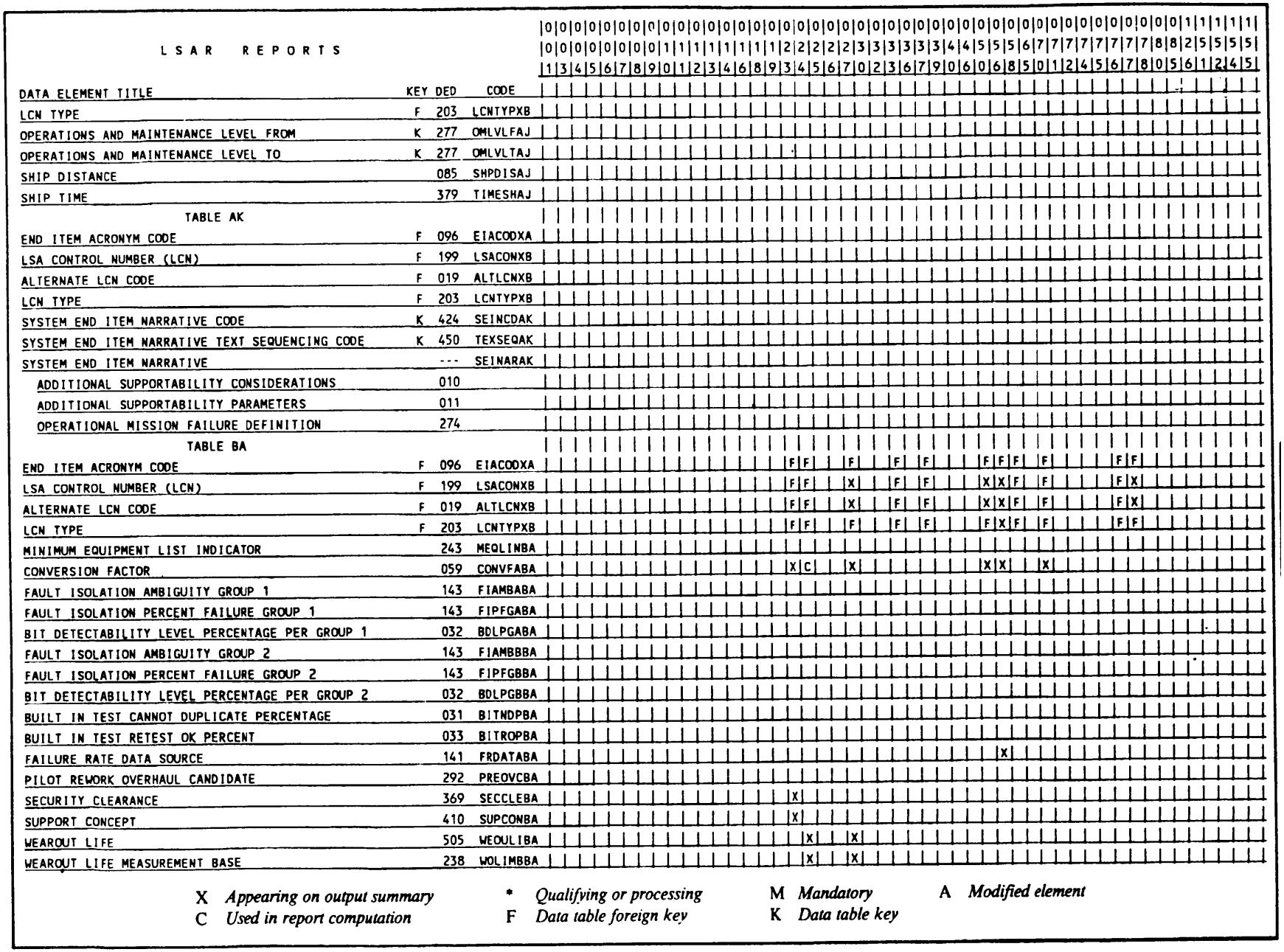


FIGURE 14. LSAR data tables to report matrix - Continued.

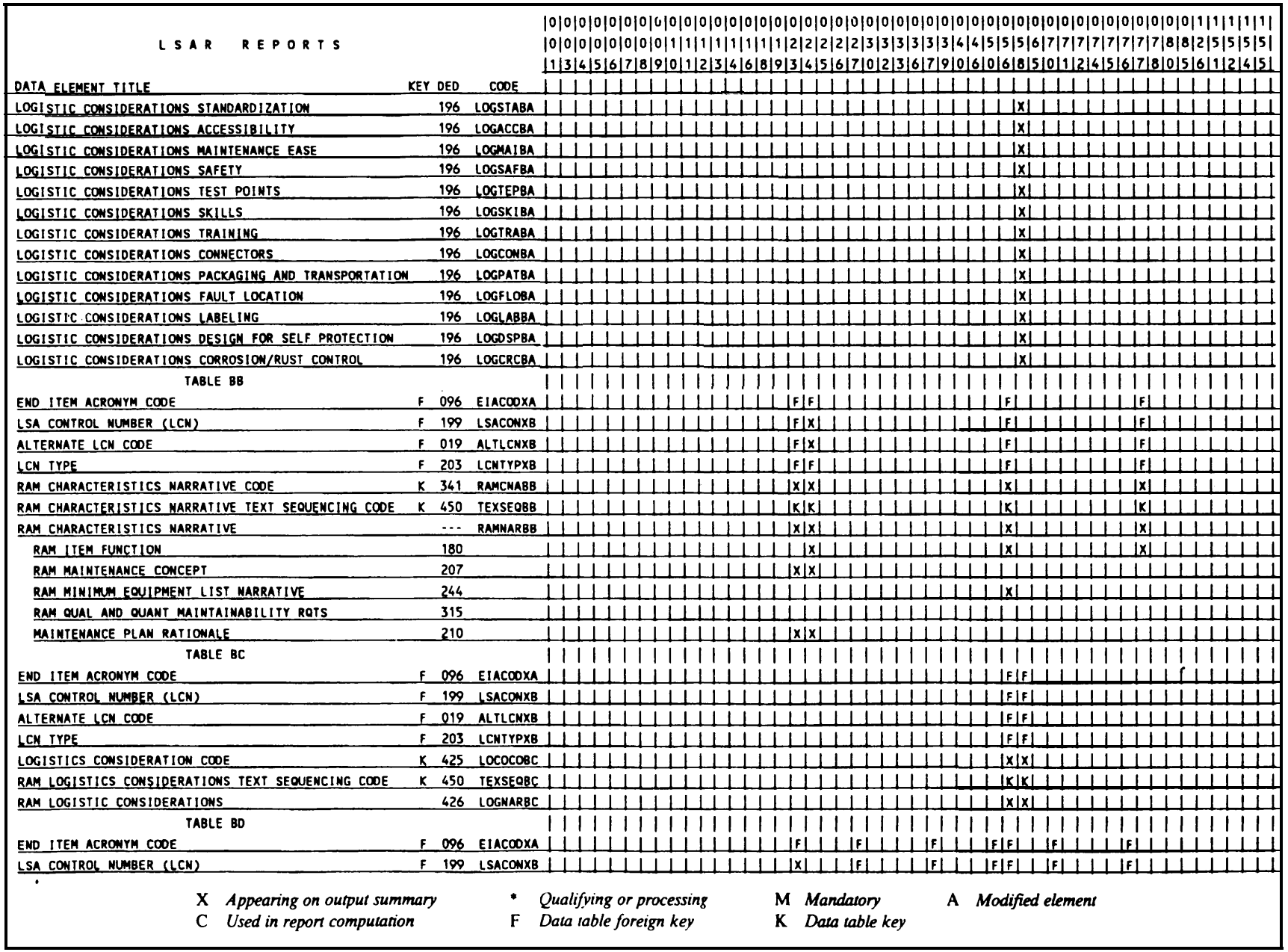


FIGURE 14. LSAR data tables to report matrix - Continued.

LSAR REPORTS	KEY	DED	CODE
ALTERNATE LCN CODE	F	019	ALTLCNXB
LCN TYPE	F	203	LCNTYPXB
RAM INDICATOR CODE	K	347	RAMINDBD
ACHIEVED AVAILABILITY		001	ACHAVABD
INHERENT AVAILABILITY		164	INHAVABD
FAILURE RATE		140	FAILRTBD
FAILURE RATE MEASUREMENT BASE		238	FARAMBBD
INHERENT MAINTENANCE FACTOR		165	INHMAFBD
MAXIMUM TIME TO REPAIR		222	MAXTTRBD
PERCENTILE		286	PERCENBD
MEAN TIME TO REPAIR OPERATIONAL		236	MTTROPBD
MEAN TIME TO REPAIR TECHNICAL		236	MTTRTHBD
MEAN TIME BETWEEN FAILURES OPERATIONAL		229	OPMTBFBD
MEAN TIME BETWEEN FAILURES OPERATIONAL MB		238	OMTBFMBD
MEAN TIME BETWEEN FAILURES TECHNICAL		229	TEMTBFBD
MEAN TIME BETWEEN FAILURES TECHNICAL MB		238	TMTBFMBD
MEAN TIME BETWEEN MAINTENANCE ACTIONS OPERATIONAL		230	OMTBMABD
MEAN TIME BETWEEN MAINTENANCE ACTIONS OPERATIONAL MB		238	OMTBMMBD
MEAN TIME BETWEEN MAINTENANCE ACTIONS TECHNICAL		230	TMTBMABD
MEAN TIME BETWEEN MAINTENANCE ACTIONS TECHNICAL MB		238	TMTBMMBD
MEAN TIME BETWEEN MAINTENANCE INDUCED		231	INMTBMBD
MEAN TIME BETWEEN MAINTENANCE INDUCED MB		238	IMTBMMBD
MEAN TIME BETWEEN MAINTENANCE INHERENT		232	INHMTBBD
MEAN TIME BETWEEN MAINTENANCE INHERENT MB		238	INHMTMBD
MEAN TIME BETWEEN MAINTENANCE NO DEFECT		233	NOMTBMBD
MEAN TIME BETWEEN MAINTENANCE NO DEFECT MB		238	NMTBMMBD
MEAN TIME BETWEEN PREVENTIVE MAINTENANCE		234	MTBMPVBD
MEAN TIME BETWEEN PREVENTIVE MAINTENANCE MB		238	MTBMPMBD
MEAN TIME BETWEEN REMOVALS		235	MTBRXXBD
MEAN TIME BETWEEN REMOVALS MEASUREMENT BASE		238	MTBRMBBD
TABLE BE			
END ITEM ACRONYM CODE	F	096	EIACODXA
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB
ALTERNATE LCN CODE	F	019	ALTLCNXB
LCN TYPE	F	203	LCNTYPXB
RAM INDICATOR CODE	F	347	RAMINDBD
RAM OPERATIONAL REQUIREMENT INDICATOR	K	275	OPRQINBE

X *Appearing on output summary* * *Qualifying or processing* M *Mandatory* A *Modified element*
C *Used in report computation* F *Data table foreign key* K *Data table key*

FIGURE 14. LSAR data tables to report matrix - Continued.

LSAR REPORTS				
DATA ELEMENT TITLE	KEY	DED	CODE	
ADMINISTRATIVE AND LOGISTIC DELAY TIME		013	ALDTXXBE	
OPERATIONAL AVAILABILITY		273	OPAVAIBE	
STANDBY TIME		403	STABYTBE	
TABLE BF				
END ITEM ACRONYM CODE	F	096	EIACODXA	F F F F
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB	F F F X F
ALTERNATE LCN CODE	F	019	ALTLCNXB	F F F X F
LCN TYPE	F	203	LCNTYPXB	F F F F F
FAILURE MODE INDICATOR	K	134	FAMOINBF	X K X X
ENGINEERING FAILURE MODE MEAN TIME BETWEEN FAILURE		097	EFMTBFBF	X
ENGINEERING FM MEAN TIME BETWEEN FAILURE MB		238	EFMMMBBF	X
FAILURE MODE CLASSIFICATION		132	FMCLASBF	
FAILURE MODE RATIO		136	FMRATOBF	X X X
RCM LOGIC RESULTS 01		344	RCMR01BF	X
RCM LOGIC RESULTS 02		344	RCMR02BF	X
RCM LOGIC RESULTS 03		344	RCMR03BF	X
RCM LOGIC RESULTS 04		344	RCMR04BF	X
RCM LOGIC RESULTS 05		344	RCMR05BF	X
RCM LOGIC RESULTS 06		344	RCMR06BF	X
RCM LOGIC RESULTS 07		344	RCMR07BF	X
RCM LOGIC RESULTS 08		344	RCMR08BF	X
RCM LOGIC RESULTS 09		344	RCMR09BF	X
RCM LOGIC RESULTS 10		344	RCMR10BF	X
RCM LOGIC RESULTS 11		344	RCMR11BF	X
RCM LOGIC RESULTS 12		344	RCMR12BF	X
RCM LOGIC RESULTS 13		344	RCMR13BF	X
RCM LOGIC RESULTS 14		344	RCMR14BF	X
RCM LOGIC RESULTS 15		344	RCMR15BF	X
RCM LOGIC RESULTS 16		344	RCMR16BF	X
RCM LOGIC RESULTS 17		344	RCMR17BF	X
RCM LOGIC RESULTS 18		344	RCMR18BF	X
RCM LOGIC RESULTS 19		344	RCMR19BF	X
RCM LOGIC RESULTS 20		344	RCMR20BF	X
RCM LOGIC RESULTS 21		344	RCMR21BF	X
RCM LOGIC RESULTS 22		344	RCMR22BF	X
RCM LOGIC RESULTS 23		344	RCMR23BF	X
RCM LOGIC RESULTS 24		344	RCMR24BF	X

X *Appearing on output summary* * *Qualifying or processing* M *Mandatory* A *Modified element*
C *Used in report computation* F *Data table foreign key* K *Data table key*

FIGURE 14. LSAR data tables to report matrix - Continued.

LSAR REPORTS	KEY	DED	CODE	RCMR25BF	RCMDSABF	RCMDSBBF	RCMDSCBF	RCMDSDBF	RCMDSEBF	RCMDSFBF	RCMDSGBF	RCMDSHBF	RCMDSIBF	RCMDSJBF
DATA ELEMENT TITLE														
RCM LOGIC RESULTS 25		344	RCMR25BF	X										
RCM DISPOSITION A		084	RCMDSABF		X									
RCM DISPOSITION B		084	RCMDSBBF			X								
RCM DISPOSITION C		084	RCMDSCBF				X							
RCM DISPOSITION D		084	RCMDSDBF					X						
RCM DISPOSITION E		084	RCMDSEBF						X					
RCM DISPOSITION F		084	RCMDSFBF							X				
RCM DISPOSITION G		084	RCMDSGBF								X			
RCM DISPOSITION H		084	RCMDSHBF									X		
RCM DISPOSITION I		084	RCMDSIBF										X	
RCM DISPOSITION J		084	RCMDSJBF											X
TABLE BG														
END ITEM ACRONYM CODE	F	096	EIACODXA	F	F	F	F	F	F	F	F	F	F	F
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB	F	F	F	F	F	F	F	F	F	F	F
ALTERNATE LCN CODE	F	019	ALTLCNXB	F	F	F	F	F	F	F	F	F	F	F
LCN TYPE	F	203	LCNTYPXB	F	F	F	F	F	F	F	F	F	F	F
FAILURE MODE INDICATOR	F	134	FAMOINBF	F	X	F	F	F	F	F	F	F	F	F
FAILURE MODE AND RCM NARRATIVE CODE	K	131	FMNCNABG	X	X	X	X	X	X	X	X	X	X	X
FAILURE MODE AND RCM NARRATIVE TEXT SEQUENCING CODE	K	450	TEXSEQBG	K	K	K	K	K	K	K	K	K	K	K
FAILURE MODE NARRATIVE		---	FMNNARBG	X	X	X	X	X	X	X	X	X	X	X
FAILURE/DAMAGE MODE EFFECT END EFFECT		125		X										
FAILURE/DAMAGE MODE EFFECT LOCAL		126		X										
FAILURE/DAMAGE MODE EFFECT NEXT HIGHER		127		X										
FAILURE CAUSE		124		X	X									
FAILURE/DAMAGE MODE		128		X	X									
FAILURE MODE DETECTION METHOD		129		X										
FAILURE MODE PREDICTABILITY		138		X										
FAILURE MODE REMARKS		137		X										
REDESIGN RECOMMENDATIONS		426		X	X									
RCM AGE EXPLORATION		343												
RELIABILITY CENTERED MAINTENANCE REASONING		346		X										
RCM REDESIGN RECOMMENDATIONS		426		X										
TABLE BH														
END ITEM ACRONYM CODE	F	096	EIACODXA	F	F	F	F	F	F	F	F	F	F	F
FAILURE MODE TASK (FMT) LSA CONTROL NUMBER (LCN)	F	199	LSACONBH	X	X	X	X	X	X	X	X	X	X	X
FMT ALTERNATE LCN CODE	F	019	ALTLCNBH	X	X	X	X	X	X	X	X	X	X	X
FMT LCN TYPE	F	203	LCNTYPBH	F	F	F	F	F	F	F	F	F	F	F

X *Appearing on output summary* * *Qualifying or processing* M *Mandatory* A *Modified element*
C *Used in report computation* F *Data table foreign key* K *Data table key*

FIGURE 14. LSAR data tables to report matrix - Continued.

LSAR REPORTS	KEY	DED	CODE
DATA ELEMENT TITLE			
FMT FAILURE MODE INDICATOR	F	134	FAMOINBH
TASK REQUIREMENT LCN	F	199	TLSACNBH
TASK REQUIREMENT ALTERNATE LCN CODE	F	019	TALCNCBH
TASK REQUIREMENT LCN TYPE	F	203	TLCNTYBH
TASK CODE	F	427	TTASKCBH
TASK TYPE		433	TATYPEBH
MAINTENANCE INTERVAL		208	MAININBH
MAINTENANCE INTERVAL MEASUREMENT BASE		238	MAINMBBH
TABLE BI			
END ITEM ACRONYM CODE	F	096	EIACODXA
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB
ALTERNATE LCN CODE	F	019	ALTLCNXB
LCN TYPE	F	203	LCNTYPXB
FAILURE MODE INDICATOR	F	134	FAMOINBF
MISSION PHASE CODE	F	246	MISSPCBL
SAFETY HAZARD SEVERITY CODE	M	362	FMSHSCBI
FAILURE EFFECT PROBABILITY		130	FEPROBBI
FAILURE MODE CRITICALITY NUMBER		133	FACRNUBI
FAILURE PROBABILITY LEVEL		139	FPROBLBI
OPERATING TIME		269	FMOPTIBI
OPERATING TIME MEASUREMENT BASE		238	FMOTMBBI
TABLE BJ			
END ITEM ACRONYM CODE	F	096	EIACODXA
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB
ALTERNATE LCN CODE	F	019	ALTLCNXB
LCN TYPE	F	203	LCNTYPXB
FAILURE MODE INDICATOR (FMI)	F	134	FAMOINBF
MISSION PHASE CODE (MPC)	F	246	MISSPCBL
FMI MPC CHARACTERISTICS NARRATIVE CODE	K	135	FMMPCNBJ
FMI MPC CHARACTERISTICS NARR TEXT SEQUENCING CODE	K	450	TEXSEQBJ
FMI MPC CHARACTERISTICS NARRATIVE		---	FMCNARBJ
COMPENSATING DESIGN PROVISIONS		049	
COMPENSATING OPERATOR ACTION PROVISIONS		050	
TABLE BK			
END ITEM ACRONYM CODE	F	096	EIACODXA
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB
ALTERNATE LCN CODE	F	019	ALTLCNXB

X *Appearing on output summary* * *Qualifying or processing* M *Mandatory* A *Modified element*
C *Used in report computation* F *Data table foreign key* K *Data table key*

FIGURE 14. LSAR data tables to report matrix - Continued.

LSAR REPORTS	KEY	DED	CODE
DATA ELEMENT TITLE			
TRAINING RECOMMENDATION TYPE		463	TRNRECCA
TRAINING LOCATION RATIONALE		461	TRNLOCCA
TRAINING RATIONALE		452	TRNRATCA
TOOL/SUPPORT EQUIPMENT REQUIREMENT CODE		358	TSEREQCA
TASK PERFORMANCE STANDARD A		287	PRSTDACA
TASK PERFORMANCE STANDARD B		287	PRSTDBCA
TASK PERFORMANCE STANDARD C		287	PRSTDCCA
TASK CONDITION A		428	TCONDACA
TASK CONDITION B		428	TCONDBCA
TASK CONDITION C		428	TCONDCCA
TABLE CB			
END ITEM ACRONYM CODE	F	096	EIACODXA
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB
ALTERNATE LCN CODE	F	019	ALTLCNXB
LCN TYPE	F	203	LCNTYPXB
TASK CODE	F	427	TASKCDCA
SUBTASK NUMBER	K	407	SUBNUMCB
SUBTASK IDENTIFICATION		431	SUBTIDCB
REFERENCED SUBTASK END ITEM ACRONYM CODE		096	RFDEIACB
REFERENCED SUBTASK LCN		199	RFDLCNCB
REFERENCED SUBTASK ALTERNATE LCN CODE		019	RFDALCCB
REFERENCED SUBTASK LCN TYPE		203	RFDTYPCB
REFERENCED SUBTASK NUMBER		407	RFDSUBCB
REFERENCED SUBTASK TASK CODE		427	RFDTCDCB
SUBTASK MEAN MINUTE ELAPSE TIME		227	SBMMETCB
SUBTASK WORK AREA CODE		514	SUBWACCB
TABLE CC			
END ITEM ACRONYM CODE	F	096	EIACODXA
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB
ALTERNATE LCN CODE	F	019	ALTLCNXB
LCN TYPE	F	203	LCNTYPXB
TASK CODE	F	427	TASKCDCA
SUBTASK NUMBER	F	407	SUBNUMCB
SEQUENTIAL SUBTASK DESCRIPTION TEXT SEQUENCING CODE	K	450	TEXSEQCC
SEQUENTIAL SUBTASK DESCRIPTION		372	SUBNARCC
ELEMENT INDICATOR		095	ELEMNTCC
TABLE CD			

X *Appearing on output summary* * *Qualifying or processing* M *Mandatory* A *Modified element*
C *Used in report computation* F *Data table foreign key* K *Data table key*

FIGURE 14. LSAR data tables to report matrix - Continued.

L S A R   R E P O R T S

DATA ELEMENT TITLE	KEY	DED	CODE	001	003	004	005	006	007	008	009	010	011	012	013	014	016	018	019	023	024	025	026	027	030	032	033	036	037	039	040	046	050	056	058	065	070	071	072	074	075	076	077	078	080	085	126	151	152	154	155
END ITEM ACRONYM CODE	F	096	EIACODXA	F					F	F			F			F			F	F													F			F					F		F								
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB	F					F	F			F			X			F	F													F			F					F		F								
ALTERNATE LCN CODE	F	019	ALTLCNXB	F					F	F			F			X			E	F													F			F					F		F								
LCN TYPE	F	203	LCNTYPXB	F					F	F			F			F			F	F													F			F					F		F								
TASK CODE	F	427	TASKCDCA	F					F	F			F			X			F	F													F			F					F		F								
SUBTASK NUMBER	F	407	SUBNUMCB	F					F	F			F			F			F	F													F			F					F		F								
SUBTASK PERSON IDENTIFIER	K	288	SUBPIDCD	X					K	K			K			K			X	X													X			X					K		X								
SKILL SPECIALTY CODE		387	SKSPCDGA	X					X	X			X			X			X	X													X			X					X		X								
NEW OR MODIFIED SKILL SPECIALTY CODE		257	MDCSSCGB	X					X	X			X			X			X	X													X			X					X		X								
SUBTASK MEAN MAN MINUTES		226	SUBMMMCD	C									*						X	C													X			C							C								
SKILL SPECIALTY EVALUATION CODE		388	SSECDECD	X															X																																
TABLE CE																																																			
END ITEM ACRONYM CODE	F	096	EIACODXA			F																					F																								
TASK REMARK REFERENCE CODE	K	349	TSKRRCCE			X																					K																								
TASK REMARK		432	TSKREMCE			X																					X																								
TABLE CF																																																			
END ITEM ACRONYM CODE	F	096	EIACODXA			F																					F																								
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB			F																					F																								
ALTERNATE LCN CODE	F	019	ALTLCNXB			F																					F																								
LCN TYPE	F	203	LCNTYPXB			F																					F																								
TASK CODE	F	427	TASKCDCA			F																					F																								
TASK REMARK REFERENCE CODE	F	349	TSKRRCCE			F																					F																								
TABLE CG																																																		
END ITEM ACRONYM CODE	F	096	EIACODXA			F	F		F	F				F	F		F		F	F	F								*								F	*	F	F											
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB			F	F		X	X				F	X		F		F	F	F								*								F	*	X	F											
ALTERNATE LCN CODE	F	019	ALTLCNXB			F	F		X	X				F	X		F		F	F	F								*								F	*	X	F											
LCN TYPE	F	203	LCNTYPXB			F	F		F	F				F	F		F		F	F	F								*								F	*	F	F											
TASK SUPPORT CAGE CODE	F	046	TSCAGECG			F	X		X	X				F	F		X		X	X	X								*								F	*	F	X											
TASK SUPPORT REFERENCE NUMBER	F	337	TSREFNCG			F	X		X	X				F	F		X		X	X	X								*								F	*	F	X											
TASK CODE	F	427	TASKCDCA			F	X		X	X				F	X		X		F	F	F								*								X	*	F	F											
SUPPORT ITEM QUANTITY PER TASK		319	SQTYTKCG				X			X				X					X	X																															
SUPPORT ITEM QUANTITY PER TASK UNIT OF MEASURE		491	SQTKUMCG				X			X				X						X																															
TABLE CH																																																			
END ITEM ACRONYM CODE	F	096	EIACODXA			F																					F																								
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB			F																					F																								
ALTERNATE LCN CODE	F	019	ALTLCNXB			F																					F																								
LCN TYPE	F	203	LCNTYPXB			F																					F																								

X *Appearing on output summary*   * *Qualifying or processing*   M *Mandatory*   A *Modified element*
C *Used in report computation*   F *Data table foreign key*   K *Data table key*

FIGURE 14. LSAR data tables to report matrix - Continued.

L S A R   R E P O R T S

DATA ELEMENT TITLE	KEY	DED	CODE	001	003	004	005	006	007	008	009	010	011	012	013	014	016	018	019	023	024	025	026	027	030	032	033	036	037	039	040	046	050	056	058	065	070	071	072	074	075	076	077	078	080	085	126	151	152	154	155
TASK CODE	F	427	TASKCDCA			F																					F																								
TECHNICAL MANUAL CODE	F	437	TMCODEXI			F																					X																								
TABLE CI																																																			
END ITEM ACRONYM CODE	F	096	EIACODXA				F			F							F		F		F			F					*															F							
TASK LSA CONTROL NUMBER (LCN)	F	199	TSKLCNCI				F			X							F		F		F			X					*															F							
TASK ALTERNATE LCN CODE (ALC)	F	019	TSKALCCI				F			X							F		F		F			X					*															F							
TASK LCN TYPE	F	203	TSKLTYCI				F			F							F		F		F			F					*															F							
TASK PROVISION TASK CODE	F	427	TSKTCDCI				F			X							X		F		F			F					*															F							
TASK PROVISION LCN	F	199	PROLCNCI				F			F							X		F		F			F					*															X							
TASK PROVISION ALC	F	019	PROALCCI				F			F							X		F		F			F					*															X							
TASK PROVISION LCN TYPE	F	203	PROLTYCI				F			F							F		F		F			F					*															F							
TASK PROVISION CAGE CODE	F	046	PROCAGCI				X			X							X		X		X			F					*															X							
TASK PROVISION REFERENCE NUMBER	F	337	PROREFCI				X			X							X		X		X			F					*															X							
PROVISION QUANTITY PER TASK		319	PQTYTKCI				X			X									X					X																				X							
PROVISION QUANTITY PER TASK UNIT OF MEASURE		491	PQTKUMCI				X			X														X																				*							
TABLE CJ																																																			
JOB CODE	K	186	JOBCODCJ															K																																	
DUTY CODE	K	091	DUTYCDCJ															K																																	
JOB NARRATIVE		185	JOBDESCJ															X																																	
DUTY NARRATIVE		090	DUTIESCJ															X																																	
TABLE CK																																																			
JOB CODE	F	186	JOBCODCJ															F																																	
DUTY CODE	F	091	DUTYCDCJ															F																																	
END ITEM ACRONYM CODE	F	096	EIACODXA															F																																	
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB															F																																	
ALTERNATE LCN CODE	F	019	ALTLCNXB															F																																	
LCN TYPE	F	203	LCNTYPXB															F																																	
TASK CODE	F	427	TASKCDCA															F																																	
SUBTASK NUMBER	F	407	SUBNUMCB															F																																	
SEQUENTIAL SUBTASK DESCRIPTION TSC FROM	K	450	TSFROMCK															F																																	
SEQUENTIAL SUBTASK DESCRIPTION TSC TO	K	450	TEXTTOCK															F																																	
SUBTASK PERSON IDENTIFIER	K	288	SUBPIDCD															F																																	
TABLE EA																																																			
SUPPORT EQUIPMENT CAGE	F	046	SECAGEEA			F	F		F	F				X	F		F		F	F	F								F								X	X	X	F		X	X								
SUPPORT EQUIPMENT REFERENCE NUMBER	F	337	SEREFNEA			F	F		F	F				X	F		F		F	F	F								F								X	X	X	F		X	X								
SUPPORT EQUIPMENT FULL ITEM NAME		412	FLITNMEA																																		X		X				X								
SUPPORT EQUIPMENT ITEM CATEGORY CODE		177	SEICCDEA			X	X		X	X							*		X	X	X								*								X	*		X		X									

X *Appearing on output summary*   * *Qualifying or processing*   M *Mandatory*   A *Modified element*
C *Used in report computation*   F *Data table foreign key*   K *Data table key*

FIGURE 14. LSAR data tables to report matrix - Continued.

LSAR REPORTS				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1
				0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 3 3 3 3 3 3 3 4 4 5 5 5 5 6 7 7 7 7 7 7 7 8 8 2 5 5 5 5
				1 3 4 5 6 7 8 9 0 1 2 3 4 6 8 9 3 4 5 6 7 0 2 3 6 7 9 0 6 0 6 8 5 0 1 2 4 5 6 7 8 0 5 6 1 2 4 5
DATA ELEMENT TITLE	KEY	DED	CODE	
SUPPORT EQUIPMENT RECOMMENDATION DATA (SERD) NUMBER	F	416	SERDNOEF	F
SERD REVISION	F	360	SRDREVEF	F
SERD REVISION TEXT SEQUENCING CODE	K	450	TEXSEQEG	K
SERD REVISION REMARKS		417	REVREMEG	X
TABLE EH				
SUPPORT EQUIPMENT CAGE CODE	F	046	SECAGEEA	F
SUPPORT EQUIPMENT REFERENCE NUMBER	F	337	SEREFNEA	F
SUPPORT EQUIPMENT RECOMMENDATION DATA NUMBER	F	416	SERDNOEF	F
SERD REVISION	F	360	SRDREVEF	F
ALTERNATE NATIONAL STOCK NUMBER (NSN) FSC	K	253	ALTFSCEH	X
ALTERNATE NSN NATIONAL ITEM IDENTIFICATION CODE	K	253	ALTNIIEH	X
TABLE EI				
SUPPORT EQUIPMENT CAGE CODE	F	046	SECAGEEA	F F
SUPPORT EQUIPMENT REFERENCE NUMBER	F	337	SEREFNEA	F F
SOURCE OPTION NUMBER	K	168	IPSOPNEI	K K
INPUT POWER SOURCE ALTERNATING/DIRECT CURRENT		168	IPACDCEI	X X
INPUT POWER SOURCE FREQUENCY RANGE MAXIMUM		168	IPFRMXEI	X X
INPUT POWER SOURCE FREQUENCY RANGE MINIMUM		168	IPRGMXEI	X X
INPUT POWER SOURCE OPERATING RANGE MAXIMUM		168	IPSRGMEI	X X
INPUT POWER SOURCE OPERATING RANGE MINIMUM		168	IPOPRGEI	X X
INPUT POWER SOURCE PERCENT MAXIMUM RIPPLE		168	IPMXRPEI	X X
INPUT POWER SOURCE PHASE		168	IPPHASEI	X X
INPUT POWER SOURCE WATTS		168	IPPOWREI	X X
TABLE EJ				
SUPPORT EQUIPMENT CAGE	F	046	SECAGEEA	F
SUPPORT EQUIPMENT REFERENCE NUMBER	F	337	SEREFNEA	F
DESIGN DATA CATEGORY CODE (DDCC)	K	079	DSNDATEJ	X
DDCC CONTRACTOR RECOMMENDED		057	CNTRECEJ	X
DDCC ESTIMATED PRICE		101	ESTPRCEJ	X
DDCC GOVERNMENT REQUIRED		150	GOVRQDEJ	X
DDCC SCOPE		365	DDCCSCEJ	X
TABLE EK				
SUPPORT EQUIPMENT (SE) CAGE CODE	F	046	SECAGEEA	F F
SUPPORT EQUIPMENT REFERENCE NUMBER	F	337	SEREFNEA	F F
SUPERCEDURE CAGE CODE	K	046	SPRCAGEK	X X
SUPERCEDURE REFERENCE NUMBER	K	337	SPRREFEK	X X
SUPERCEDURE TYPE	M	408	SUTYPEEK	X M

X *Appearing on output summary* * *Qualifying or processing* M *Mandatory* A *Modified element*
C *Used in report computation* F *Data table foreign key* K *Data table key*

FIGURE 14. LSAR data tables to report matrix - Continued.

LSAR REPORTS

DATA ELEMENT TITLE	KEY	DED	CODE
SUPERCEDURE ITEM NAME		182	SUPITNEK
SUPERCEDURE SE RECOMMENDATION DATA (SERD) NUMBER		416	SUSRNOEK
REASON FOR SUPERCEDURE/DELETION		327	REASUPEK
SUPERCEDURE INTERCHANGEABILITY CODE		172	ICCODEEK
TABLE EL			
SUPPORT EQUIPMENT CAGE CODE	F	046	SECAGEEA
SUPPORT EQUIPMENT REFERENCE NUMBER	F	337	SEREFNEA
ILS REQUIREMENT CATEGORY CODE (IRCC)	K	171	IRCCODEL
IRCC CONTRACTOR RECOMMENDED		057	CONRECEL
IRCC ESTIMATED PRICE		101	ESTPRCEL
IRCC GOVERNMENT REQUIRED		150	GOVRQDEL
IRCC SCOPE		365	IRCSCOEL
TABLE EM			
SUPPORT EQUIPMENT CAGE CODE	F	046	SECAGEEA
SUPPORT EQUIPMENT REFERENCE NUMBER	F	337	SEREFNEA
SYSTEM CAGE CODE	F	046	SCAGECEM
SYSTEM REFERENCE NUMBER	F	337	SREFNOEM
SYSTEM EQUIPMENT QUANTITY PER TEST		320	QTYTSTEM
SYSTEM EQUIPMENT ITEM DESIGNATOR		179	GFAEIDEM
TABLE UA			
END ITEM ACRONYM CODE	F	096	EIACODXA
UUT LSA CONTROL NUMBER (LCN)	F	199	UUTLCNUA
UUT ALTERNATE LCN CODE	F	019	UUTALCUA
UUT LCN TYPE	F	203	UTLCNTUA
UUT ALLOWANCE		016	UTALLOUA
UUT MAINTENANCE PLAN NUMBER		209	UMNTPLUA
UUT TEST REQUIREMENTS DOCUMENT NUMBER		448	UTTRDNUA
UUT WORK PACKAGE REFERENCE		515	UTWPRFUA
TABLE UB			
END ITEM ACRONYM CODE	F	096	EIACODXA
UUT LSA CONTROL NUMBER (LCN)	F	199	UUTLCNUA
UUT ALTERNATE LCN CODE	F	019	UUTALCUA
UUT LCN TYPE	F	203	UTLCNTUA
SUPPORT EQUIPMENT CAGE CODE	F	046	SECAGEEA
SUPPORT EQUIPMENT REFERENCE NUMBER	F	337	SEREFNEA
UUT CALIBRATION/MEASUREMENT REQT SUMMARY STATUS		036	UTSTCDUB
UUT CMRS RECOMMENDED CODE		035	UTCMRSUB

X *Appearing on output summary*
C *Used in report computation*
* *Qualifying or processing*
F *Data table foreign key*
M *Mandatory*
K *Data table key*
A *Modified element*

FIGURE 14. LSAR data tables to report matrix - Continued.

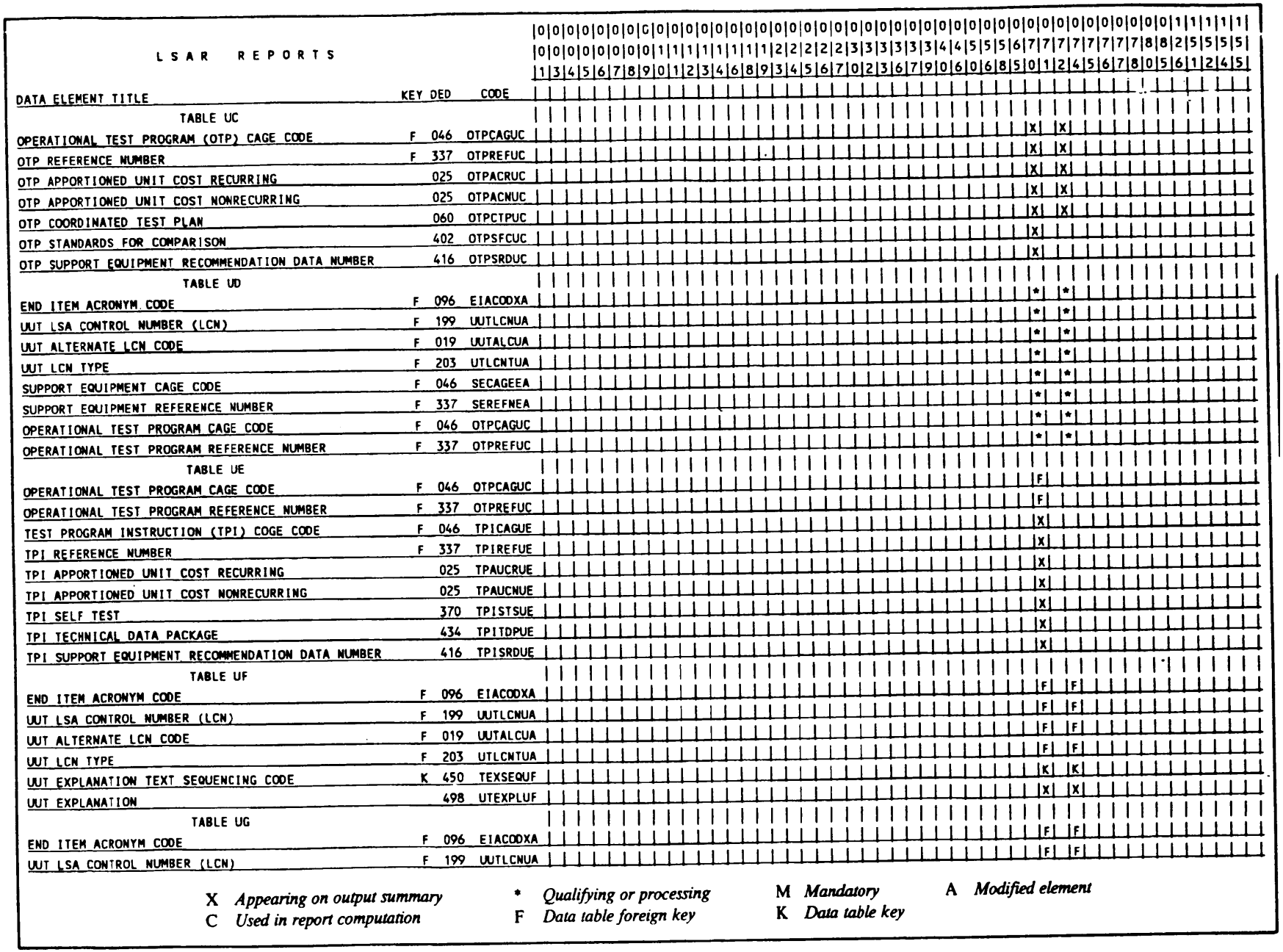


FIGURE 14. LSAR data tables to report matrix - Continued.

LSAR REPORTS				
DATA ELEMENT TITLE	KEY	DED	CODE	
UUT ALTERNATE LCN CODE	F	019	UUTALCUA	F
UUT LCN TYPE	F	203	UTLCNTUA	F
SUPPORT EQUIPMENT CAGE CODE	F	046	SECAGEEA	F
SUPPORT EQUIPMENT REFERENCE NUMBER	F	337	SEREFNEA	F
UUT PARAMETER GROUP CODE	K	284	UUTPGCUG	X
UUT CMRS PARAMETER CODE		034	UUTPPCUG	X
UUT PARAMETER ACCURACY		284	UUTPACUG	X
UUT PARAMETER INPUT/OUTPUT CODE		284	UUTPIOUG	X
UUT PARAMETER OPERATIONAL/SPECIFICATION CODE		284	UUTPSOUG	
UUT PARAMETER		284	UUTPARUG	X
UUT PARAMETER RANGE FROM		284	UUTPRFUG	X
UUT PARAMETER RANGE TO		284	UUTPRTUG	X
UUT PARAMETER RANGE/VALUE CODE		284	UUTPRVUG	X
UUT PARAMETER TEST ACCURACY RATIO (TAR) ACTUAL		442	UUTPTAUG	X
UUT PARAMETER TAR DESIRED		442	UUTPTDUG	X
TABLE UH				
END ITEM ACRONYM CODE	F	096	EIACODXA	F
TASK LSA CONTROL NUMBER (LCN)	F	199	TSKLCNCI	F
TASK ALTERNATE LCN CODE (ALC)	F	019	TSKALCCI	F
TASK LCN TYPE	F	203	TSKLTYCI	F
TASK PROVISION TASK CODE	F	427	TSKTCDCI	F
TASK PROVISION LCN	F	199	PROLCNCI	F
TASK PROVISION ALC	F	019	PROALCCI	F
TASK PROVISION LCN TYPE	F	203	PROLTYCI	F
TASK PROVISION CAGE CODE	F	046	PROCAGCI	X
TASK PROVISION REFERENCE NUMBER	F	337	PROREFCI	X
SUPPORT EQUIPMENT CAGE CODE	M	046	SECAGEEA	M
SUPPORT EQUIPMENT REFERENCE NUMBER	M	337	SEREFNEA	M
UUT FIRU AMBIGUITY GROUP 1		143	UUTFA1UH	X
UUT FIRU AMBIGUITY GROUP 2		143	UUTFA2UH	X
UUT FIRU PERCENT FAILURE 1		143	UUTFP1UH	X
UUT FIRU PERCENT FAILURE 2		143	UUTFP2UH	X
UUT FIRU TEST REQUIREMENTS DOCUMENT INDICATOR		447	UUTFTDUH	X
TABLE UI				
ADAPTER INTERCONECTOR DEVICE (AID) CAGE CODE	F	046	AIDCAGUI	X X
AID REFERENCE NUMBER	F	337	AIDREFUI	X X
AID APPORTIONED UNIT COST NONRECURRING		025	AIDUCNUI	X X

X *Appearing on output summary* * *Qualifying or processing* M *Mandatory* A *Modified element*
C *Used in report computation* F *Data table foreign key* K *Data table key*

FIGURE 14. LSAR data tables to report matrix - Continued.

LSAR REPORTS				
DATA ELEMENT TITLE	KEY	DED	CODE	
AID APPORTIONED UNIT COST RECURRING		025	AIDUCRUI	X X
AID SUPPORT EQUIPMENT RECOMMENDATION DATA NUMBER		416	AIDSRDUI	X
AID COMMON UNIT UNDER TEST		048	AIDCUTUI	X
TABLE UJ				
END ITEM ACRONYM CODE	F	096	EIACODXA	*
UUT LSA CONTROL NUMBER (LCN)	F	199	UUTLCNUA	*
UUT ALTERNATE LCN CODE	F	019	UUTALCUA	*
UUT LCN TYPE	F	203	UTLCNTUA	*
SUPPORT EQUIPMENT CAGE CODE	F	046	SECAGEEA	*
SUPPORT EQUIPMENT REFERENCE NUMBER	F	337	SEREFNEA	*
ADAPTER-INTERCONNECTOR DEVICE (AID) CAGE CODE	F	046	AIDCAGUI	*
AID REFERENCE NUMBER	F	337	AIDREFUI	*
TABLE UK				
AUTOMATIC TEST EQUIPMENT (ATE) CAGE CODE	F	046	ATECAGUK	X
ATE REFERENCE NUMBER	F	337	ATEREFUK	X
ATE GOVERNMENT DESIGNATOR		149	ATEGDSUK	X
TABLE UL				
END ITEM ACRONYM CODE	F	096	EIACODXA	*
UUT LSA CONTROL NUMBER (LCN)	F	199	UUTLCNUA	*
UUT ALTERNATE LCN CODE	F	019	UUTALCUA	*
UUT LCN TYPE	F	203	UTLCNTUA	*
SUPPORT EQUIPMENT CAGE CODE	F	046	SECAGEEA	*
SUPPORT EQUIPMENT REFERENCE NUMBER	F	337	SEREFNEA	*
AUTOMATIC TEST EQUIPMENT (ATE) CAGE CODE	F	046	ATECAGUK	*
ATE REFERENCE NUMBER	F	337	ATEREFUK	*
TABLE UM				
SUPPORT EQUIPMENT UNIT UNDER TEST (SE UUT) CAGE CODE	F	046	SUTCAGUM	X
SE UUT REFERENCE NUMBER	F	337	SUTREFUM	X
SE UUT ALLOWANCE		016	SUTALLUM	
SE UUT CMRS STATUS		036	SUTSTCUM	
SE UUT MAINTENANCE PLAN NUMBER		209	MNTPLNUM	
SE UUT TEST REQUIREMENTS DOCUMENT NUMBER		448	TRDNUMUM	
SE UUT WORK PACKAGE REFERENCE		515	WKPKRFUM	
TABLE UN				
TESTING SUPPORT EQUIPMENT (SE) CAGE CODE	F	046	TGSCAGUN	F
TESTING SE REFERENCE NUMBER	F	337	TGSREFUN	F
SE UNIT UNDER TEST (UUT) CAGE CODE	F	046	SUTCAGUM	F

X *Appearing on output summary* * *Qualifying or processing* M *Mandatory* A *Modified element*
C *Used in report computation* F *Data table foreign key* K *Data table key*

FIGURE 14. LSAR data tables to report matrix - Continued.

LSAR REPORTS	KEY	DED	CODE
DATA ELEMENT TITLE			
SE UUT REFERENCE NUMBER	F	337	SUTREFUM
SE UUT PARAMETER GROUP CODE	K	284	SEUPGCUN
SE UUT CMRS PARAMETER CODE		034	UTPACMUN
SE UUT PARAMETER ACCURACY		284	UTPAACUN
SE UUT PARAMETER INPUT/OUTPUT CODE		284	UTPAIOUN
SE UUT PARAMETER		284	UTPAPAUN
SE UUT PARAMETER RANGE FROM		284	UTRGFRUN
SE UUT PARAMETER RANGE TO		284	UTPRRTUN
SE UUT PARAMETER RANGE/VALUE CODE		284	UTPARVUN
SE UUT PARAMETER TEST ACCURACY RATIO (TAR) ACTUAL		442	UTPATAUN
SE UUT PARAMETER TAR DESIRED		442	UTPATDUN
TABLE FA			
FACILITY NAME	K	118	FACNAMFA
FACILITY CATEGORY CODE	K	115	FACCCDFA
FACILITY TYPE	K	483	FACTYPFA
FACILITY CLASS		116	FACCLAFA
FACILITY DRAWING CLASSIFICATION		088	DRCLASFA
FACILITY DRAWING NUMBER		089	FADNUMFA
FACILITY DRAWING REVISION		360	FADREVFA
FACILITY AREA		112	FAAREAFA
FACILITY AREA UNIT OF MEASURE		491	FAARUMFA
FACILITY CONSTRUCTION UNIT OF MEASURE PRICE		492	FACNCOFA
CONSTRUCTION UNIT OF MEASURE		491	CONUOMFA
TABLE FB			
FACILITY NAME	F	118	FACNAMFA
FACILITY CATEGORY CODE	F	115	FACCCDFA
FACILITY TYPE	F	483	FACTYPFA
FACILITY NARRATIVE CODE	K	119	FNCODEFB
FACILITY NARRATIVE TEXT SEQUENCING CODE	K	450	TEXSEQFB
FACILITY NARRATIVE		---	FACNARFB
FACILITY CAPABILITY		114	
FACILITY LOCATION		117	
TABLE FC			
BASELINE FACILITY NAME	F	118	FACNAMFC
BASELINE FACILITY CATEGORY CODE	F	115	FACCCDFC
BASELINE FACILITY TYPE	F	483	FACTYPFC
BASELINE FACILITY NARRATIVE CODE	K	113	FBNACDFC

X *Appearing on output summary* * *Qualifying or processing* M *Mandatory* A *Modified element*
C *Used in report computation* F *Data table foreign key* K *Data table key*

FIGURE 14. LSAR data tables to report matrix - Continued.

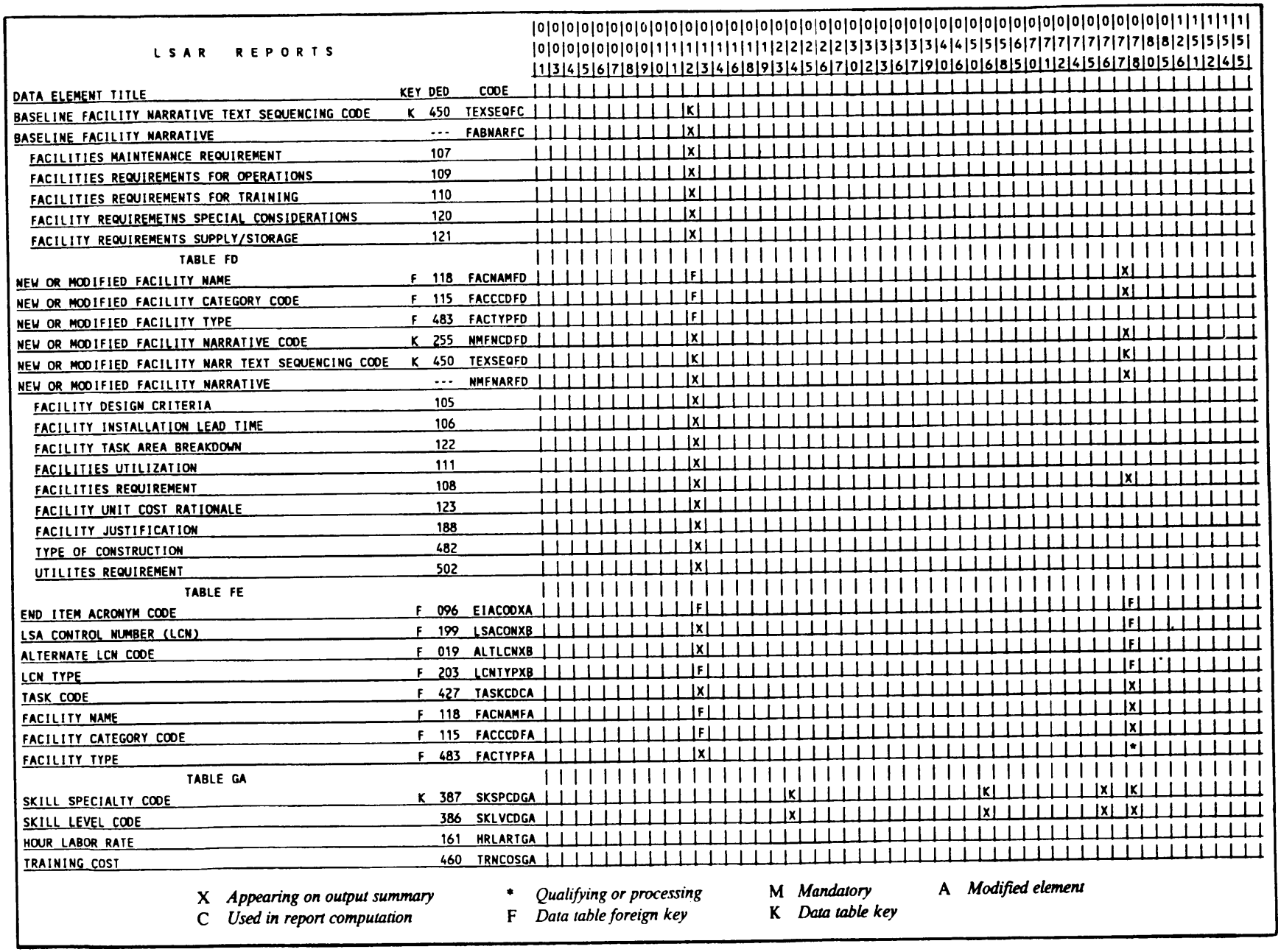


FIGURE 14. LSAR data tables to report matrix - Continued.

LSAR REPORTS	KEY	DED	CODE
TABLE GB			
NEW OR MODIFIED SKILL SPECIALTY CODE	K	257	MDCSSCGB
NEW OR MODIFIED SKILL LEVEL CODE		386	MDSCLCGB
SKILL SPECIALTY CODE		387	SKSPCDGA
DUTY POSITION REQUIRING A NEW OR REVISED SKILL		092	DPRNRSGB
RECOMMENDED CIVILIAN GRADE		330	RPPCIVGB
RECOMMENDED MILITARY RANK/RATE		330	RPPMILGB
SECURITY CLEARANCE		369	SCRSSCGB
TEST SCORE		449	SSCTESGB
ASVAB AFQT SCORE		026	ABAFQTGB
ASVAB AFQT EXPECTED RANGE LOW		026	AAEXRLGB
ASVAB AFQT EXPECTED RANGE HIGH		026	AAEXRHGB
ASVAB AFQT LOWEST PERCENT LOW		026	AALPRLGB
ASVAB AFQT LOWEST PERCENT HIGH		026	AALPRHGB
TABLE GC			
NEW OR MODIFIED SKILL SPECIALTY CODE	F	257	MDCSSCGB
NEW OR MODIFIED SKILL NARRATIVE CODE	K	256	NMSNCDGC
NEW OR MODIFIED SKILL NARRATIVE TEXT SEQUENCING CODE	K	450	TEXSEQGC
NEW OR MODIFIED SKILL NARRATIVE		---	NMSNARGC
NEW OR MODIFIED SKILL ADDITIONAL REQUIREMENTS		007	
EDUCATIONAL QUALIFICATIONS		094	
SKILL JUSTIFICATION		188	
ADDITIONAL TRAINING REQUIREMENTS		012	
TABLE GD			
NEW OR MODIFIED SKILL SPECIALTY CODE	F	257	MDCSSCGB
ASVAB APTITUDE ELEMENT	K	026	ASVAPEGD
ASVAB APTITUDE ELEMENT EXPECTED RANGE LOW		026	AAERLLGD
ASVAB APTITUDE ELEMENT EXPECTED RANGE HIGH		026	AAEERHGD
ASVAB APTITUDE ELEMENT LOWEST PERCENT LOW		026	AAELPLGD
ASVAB APTITUDE ELEMENT LOWEST PERCENT HIGH		026	AAELPHGD
TABLE GE			
END ITEM ACRONYM CODE	F	096	EIACODXA
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB
ALTERNATE LCN CODE	F	019	ALTLCNXB
LCN TYPE	F	203	LCNTYPXB
TASK CODE	F	427	TASKCDCA
SUBTASK NUMBER	F	407	SUBNUMCB

X *Appearing on output summary*
C *Used in report computation*
* *Qualifying or processing*
F *Data table foreign key*
M *Mandatory*
K *Data table key*
A *Modified element*

FIGURE 14. LSAR data tables to report matrix - Continued.

LSAR REPORTS	KEY	QED	CODE
DATA ELEMENT TITLE			
SUBTASK PERSON IDENTIFIER	F	288	SUBPIDCD
NEW OR MODIFIED SKILL SPECIALTY CODE	F	257	MDCSSCGB
PHYSICAL AND MENTAL REQTS TEXT SEQUENCING CODE	K	450	TEXSEQGE
PHYSICAL AND MENTAL REQUIREMENTS NARRATIVE		290	PAMENRGE
TABLE HA			
CAGE CODE	F	046	CAGECDXH
REFERENCE NUMBER	K	337	REFNUMHA
ITEM NAME		182	ITNAMEHA
ITEM NAME CODE		183	INAMECHA
REFERENCE NUMBER CATEGORY CODE		338	REFNCCHA
REFERENCE NUMBER VARIATION CODE		339	REFNVCHA
DLSC SCREENING REQUIREMENT CODE		073	DLSCRCHA
DOCUMENT IDENTIFIER CODE		087	DOCIDCHA
ITEM MANAGEMENT CODE		181	ITMMGCHA
NATIONAL STOCK NUMBER (NSN) COGNIZANCE CODE		253	COGNSNHA
NSN SPECIAL MATERIAL IDENTIFICATION CODE/MMAC		253	SMMNSNHA
NSN MATERIEL CONTROL CODE		253	MATNSNHA
FSN FEDERAL SUPPLY CLASSIFICATION		253	FSCNSNHA
NSN NATIONAL ITEM IDENTIFICATION CODE		253	NIINSNHA
NSN ACTIVITY CODE		253	ACTNSNHA
UNIT OF ISSUE CONVERSION FACTOR		489	UICONVHA
SHELF LIFE		377	SHLIFEHA
SHELF LIFE ACTION CODE		378	SLACTNHA
PROGRAM PARTS SELECTION LIST		302	PPSLSTHA
DOCUMENT AVAILABILITY CODE		086	DOCAVCHA
PRODUCTION LEAD TIME		299	PRDLDTHA
SPECIAL MATERIAL CONTENT CODE		395	SPMACCHA
SPECIAL MAINTENANCE ITEM CODE		392	SMAINCHA
CRITICALITY CODE		066	CRITCDHA
PRECIOUS METAL INDICATOR CODE		293	PMICODHA
SPARES ACQUISITION INTEGRATED WITH PRODUCTION		391	SAIPCDHA
GOVERNMENT FURNISHED PLCC		308	AAPLCCHA
INTERIM SUPPORT ITEMS PLCC		308	BBPLCCHA
LONG LEAD TIME ITEM PLCC		308	CCPLCCHA
TOOLS AND TEST EQUIPMENT PLCC		308	DDPLCCHA
COMMON AND BULK ITEM PLCC		308	EEPLCCHA
REPAIRABLE ITEMS PLCC		308	FFPLCCHA

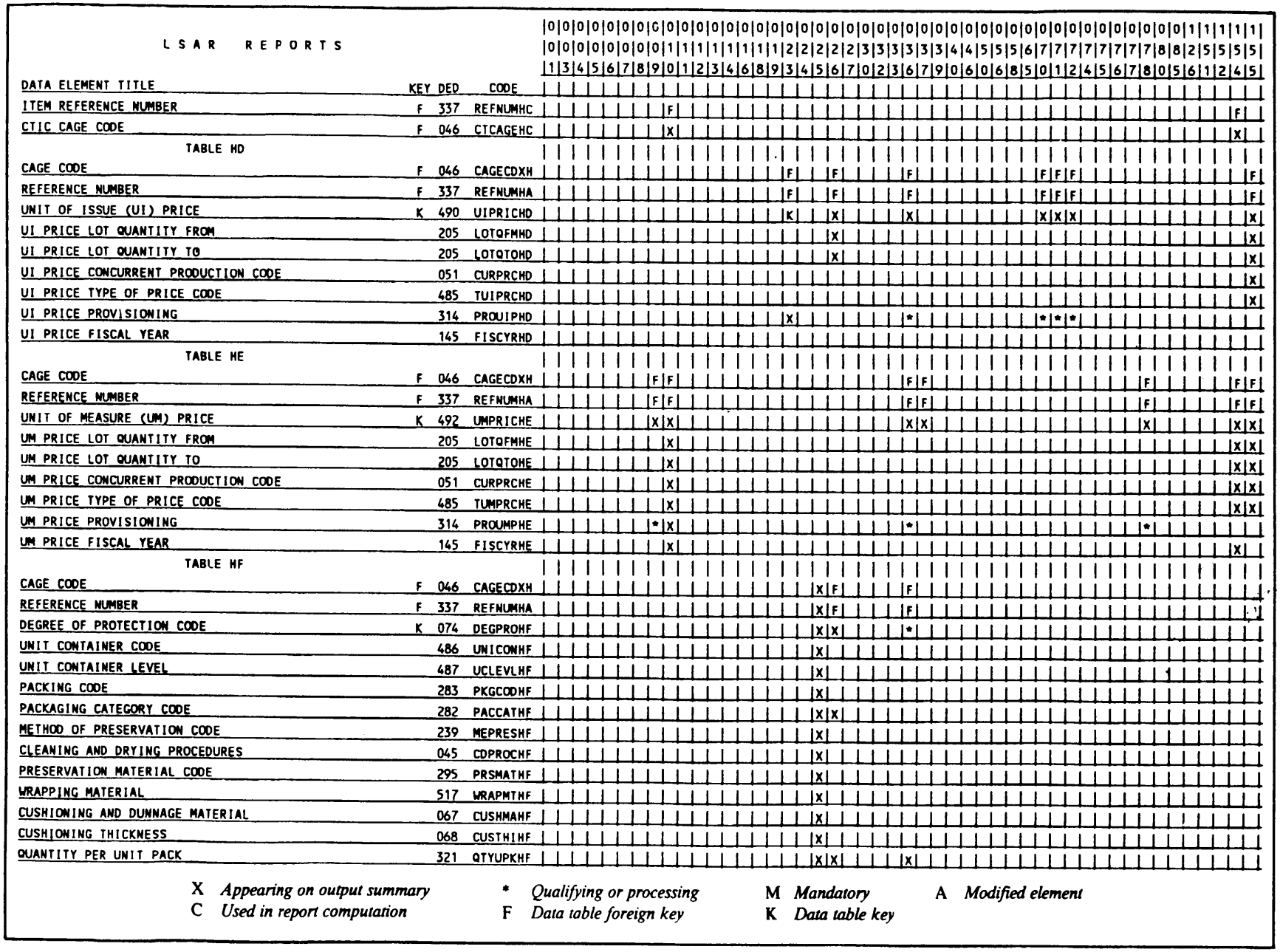
X *Appearing on output summary* * *Qualifying or processing* M *Mandatory* A *Modified element*
C *Used in report computation* F *Data table foreign key* K *Data table key*

FIGURE 14. LSAR data tables to report matrix - Continued.

LSAR REPORTS	KEY	DED	CODE
INTERIM RELEASED ITEM PLCC		308	GGPLCCHA
INSTALLATION AND CHECKOUT ITEM PLCC		308	HHPLCCHA
AUTHORIZATION STOCK LIST ITEM PLCC		308	JJPLCCHA
RECOMMENDED BUY LIST ITEM PLCC		308	KKPLCCHA
PRESCRIBED LOAD LIST ITEM PLCC		308	LLPLCCHA
SYSTEM SUPPORT PACKAGE COMPONENT LIST PLCC		308	MMPLCCHA
PHYSICAL SECURITY PILFERAGE CODE		291	PHYSECHA
ADP EQUIPMENT CODE		027	ADPEQPHA
DEMILITARIZATION CODE		076	DEMILIHA
ACQUISITION METHOD CODE		003	ACQMETHA
ACQUISITION METHOD SUFFIX CODE		004	AMSUFCHA
HAZARDOUS MATERIALS STORAGE COST		156	HMSCOSHA
HAZARDOUS WASTE DISPOSAL COST		157	HWDCOSHA
HAZARDOUS WASTE STORAGE COST		158	HWSCOSHA
CONTRACTOR TECHNICAL INFORMATION CODE		058	CTICODHA
UNIT WEIGHT		497	UWEIGHHA
UNIT SIZE LENGTH		496	ULENGTHA
UNIT SIZE WIDTH		496	UWIDTHHA
UNIT SIZE HEIGHT		496	UHEIGHHA
HAZARDOUS CODE		154	HAZCODHA
UNIT OF MEASURE		491	UNITMSHA
UNIT OF ISSUE		488	UNITISHA
LINE ITEM NUMBER		193	LINNUMHA
CRITICAL ITEM CODE		065	CRITITHA
INDUSTRIAL MATERIALS ANALYSIS OF CAPACITY		163	INDMATHA
MATERIAL LEADTIME		219	MTLEADHA
MATERIAL WEIGHT		220	MTLWGTHA
MATERIAL		218	MATERLHA
TABLE HB			
ARN ITEM CAGE CODE	F	046	CAGECDHB
ARN ITEM REFERENCE NUMBER	F	337	REFNUMHB
ARN CAGE CODE	F	046	ADCAGEHB
ADDITIONAL REFERENCE NUMBER	K	006	ADDREFHB
ARN REFERENCE NUMBER CATEGORY CODE		338	ADRNCCHB
ARN REFERENCE NUMBER VARIATION CODE		339	ADRNVCHB
TABLE HC			
ITEM CAGE CODE	F	046	CAGECDHC

X *Appearing on output summary* * *Qualifying or processing* M *Mandatory* A *Modified element*
C *Used in report computation* F *Data table foreign key* K *Data table key*

FIGURE 14. LSAR data tables to report matrix - Continued.



LSAR REPORTS	KEY	DED	CODE
DATA ELEMENT TITLE			
ITEM REFERENCE NUMBER	F	337	REFNUMHC
CTIC CAGE CODE	F	046	CTCAGEHC
TABLE HD			
CAGE CODE	F	046	CAGECDXH
REFERENCE NUMBER	F	337	REFNUMHA
UNIT OF ISSUE (UI) PRICE	K	490	UIPRICHD
UI PRICE LOT QUANTITY FROM		205	LOTQFMHD
UI PRICE LOT QUANTITY TO		205	LOTQTOHD
UI PRICE CONCURRENT PRODUCTION CODE		051	CURPRCHD
UI PRICE TYPE OF PRICE CODE		485	TUIPRCHD
UI PRICE PROVISIONING		314	PROUIPHD
UI PRICE FISCAL YEAR		145	FISCYRHD
TABLE HE			
CAGE CODE	F	046	CAGECDXH
REFERENCE NUMBER	F	337	REFNUMHA
UNIT OF MEASURE (UM) PRICE	K	492	UMPRICHE
UM PRICE LOT QUANTITY FROM		205	LOTQFMHE
UM PRICE LOT QUANTITY TO		205	LOTQTOHE
UM PRICE CONCURRENT PRODUCTION CODE		051	CURPRCHE
UM PRICE TYPE OF PRICE CODE		485	TUMPRCHE
UM PRICE PROVISIONING		314	PROUMPHE
UM PRICE FISCAL YEAR		145	FISCYRHE
TABLE HF			
CAGE CODE	F	046	CAGECDXH
REFERENCE NUMBER	F	337	REFNUMHA
DEGREE OF PROTECTION CODE	K	074	DEGPROHF
UNIT CONTAINER CODE		486	UNICONHF
UNIT CONTAINER LEVEL		487	UCLEVLHF
PACKING CODE		283	PKGCODHF
PACKAGING CATEGORY CODE		282	PACCATHF
METHOD OF PRESERVATION CODE		239	MEPRESHF
CLEANING AND DRYING PROCEDURES		045	CDPROCHF
PRESERVATION MATERIAL CODE		295	PRSMATHF
WRAPPING MATERIAL		517	WRAPMTHF
CUSHIONING AND DUNNAGE MATERIAL		067	CUSHMAHF
CUSHIONING THICKNESS		068	CUSTHIHF
QUANTITY PER UNIT PACK		321	QTYUPKHF

X *Appearing on output summary* — * *Qualifying or processing* — M *Mandatory* — A *Modified element*
C *Used in report computation* — F *Data table foreign key* — K *Data table key*

FIGURE 14. LSAR data tables to report matrix - Continued.

LSAR REPORTS	KEY	DED	CODE
DATA ELEMENT TITLE		174	INTCONHF
INTERMEDIATE CONTAINER CODE		175	INCQTYHF
INTERMEDIATE CONTAINER QUANITTY		394	SPEMRKHF
SPECIAL MARKING CODE		495	UNPKWTHF
UNIT PACK WEIGHT		494	LENUPKHF
UNIT PACK LENGTH		494	WIDUPKHF
UNIT PACK WIDTH		494	DEPUPKHF
UNIT PACK DEPTH		493	UNPKCUHF
UNIT PACK CUBE		279	OPTPRIHF
OPTIONAL PROCEDURES INDICATOR		396	SPINUMHF
SPECIAL PACKAGING INSTRUCTION (SPI) NUMBER		397	SPIREVHF
SPI NUMBER REVISION		187	SPDATEHF
SPI NUMBER JULIAN DATE		253	CONNSNHF
CONTAINER NATIONAL STOCK NUMBER		409	SUPPKDHF
SUPPLEMENTAL PACKAGING DATA		046	PKCAGEHF
PACKAGING DATA PREPARER CAGE			
TABLE HG			
CAGE CODE	F	046	CAGECDXH
REFERENCE NUMBER	F	337	REFNUMHA
END ITEM ACRONYM CODE	F	096	EIACODXA
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB
ALTERNATE LCN CODE	F	019	ALTLCNXB
LCN TYPE	F	203	LCNTYPXB
PROVISIONING LIST ITEM SEQUENCING NUMBER (PLISN)		309	PLISNOHG
QUANTITY PER ASSEMBLY		316	QTYASYHG
SUPPRESSION INDICATOR		422	SUPINDHG
DATA STATUS CODE		070	DATASCHG
PROVISIONING SYSTEM IDENTIFIER CODE		312	PROSICHG
LONG LEAD TIME ITEMS LIST (PTD)		313	LLIPTDHG
PROVISIONING PARTS LIST (PTD)		313	PPLPTDHG
SHORT FORM PROVISIONING PARTS LIST (PTD)		313	SFPPTDHG
COMMON AND BULK ITEMS LIST (PTD)		313	CBLPTDHG
REPAIRABLE ITEMS LIST (PTD)		313	RILPTDHG
INTERIM SUPPORT ITEMS LIST (PTD)		313	ISLPTDHG
POST CONFERENCE LIST (PTD)		313	PCLPTDHG
TOOL AND TEST EQUIPMENT LIST(PTD)		313	TTLPTDHG

X *Appearing on output summary* * *Qualifying or processing* M *Mandatory* A *Modified element*
C *Used in report computation* F *Data table foreign key* K *Data table key*

FIGURE 14. LSAR data tables to report matrix - Continued.

LSAR REPORTS			
DATA ELEMENT TITLE	KEY	DED	CODE
SYSTEM CONFIGURATION PROVISIONING PARTS LIST (PTD)		313	SCPPTDHG
AS REQUIRED LIST A (PTD)		313	ARAPTDHG
AS REQUIRED LIST B (PTD)		313	ARBPTDHG
TYPE OF CHANGE CODE		481	TOCCODHG
INDENTURE CODE		162	INDCODHG
QUANTITY PER END ITEM		317	QTYPEIHG
PRIOR ITEM PLISN		297	PIPLISHG
SAME AS PLISN		364	SAPLISHG
HARDNESS CRITICAL ITEM		151	HARDCIHG
REMAIN IN PLACE INDICATOR		348	REMIPIHG
LINE REPLACEABLE UNIT		194	LRUNITHG
ITEM CATEGORY CODE		177	ITMCATHG
ESSENTIALITY CODE		100	ESSCODHG
SOURCE, MAINTENANCE AND RECOVERABILITY CODE		389	SMRCODHG
MAINTENANCE REPLACEMENT RATE I		211	MRRONEHG
MAINTENANCE REPLACEMENT RATE II		212	MRRTWOHG
MAINTENANCE REPLACEMENT RATE MODIFIER		213	MRRMODHG
ORGANIZATIONAL REPLACEMENT TASK DISTRIBUTION (RTD)		355	ORTDOOHG
INTERMEDIATE/DIRECT SUPPORT RTD		355	FRTDFFHG
INTERMEDIATE/GENERAL SUPPORT RTD		355	HRTDHHHG
SPECIAL REPAIR ACTIVITY RTD		355	LRTDLLHG
DEPOT/SHIPYARD RTD		355	DRTDDDHG
MINIMUM REPLACEMENT UNIT		245	MINREUHG
MAXIMUM ALLOWABLE OPERATING TIME		221	MAOTIMHG
MAINTENANCE ACTION CODE		206	MAIACTHG
RECOMMENDED INITIAL SYSTEM STOCK BUY		328	RISSBUHG
RECOMMENDED MINIMUM SYSTEM STOCK LEVEL		329	RMSSLIHG
RECOMMENDED TENDER LOAD LIST QUANTITY		331	RTLLQTHG
TOTAL QUANTITY RECOMMENDED		453	TOTQTYHG
ORGANIZATIONAL MAINTENANCE TASK DISTRIBUTION (MTD)		214	OMTDOOHG
INTERMEDIATE/DIRECT SUPPORT MTD		214	FMTDFFHG
INTERMEDIATE/GENERAL SUPPORT MTD		214	HMTDHHHG
SPECIAL REPAIR ACTIVITY MTD		214	LMTDLLHG
DEPOT/SHIPYARD MTD		214	DMTDDDHG
CONDEMNED BELOW DEPOT MTD		214	CBDMTDHG
CONDEMNED AT DEPOT MTD		214	CADMTDHG
ORGANIZATIONAL REPAIR CYCLE TIME (RCT)		350	ORCTOOHG

X *Appearing on output summary* * *Qualifying or processing* M *Mandatory* A *Modified element*
C *Used in report computation* F *Data table foreign key* K *Data table key*

FIGURE 14. LSAR data tables to report matrix - Continued.

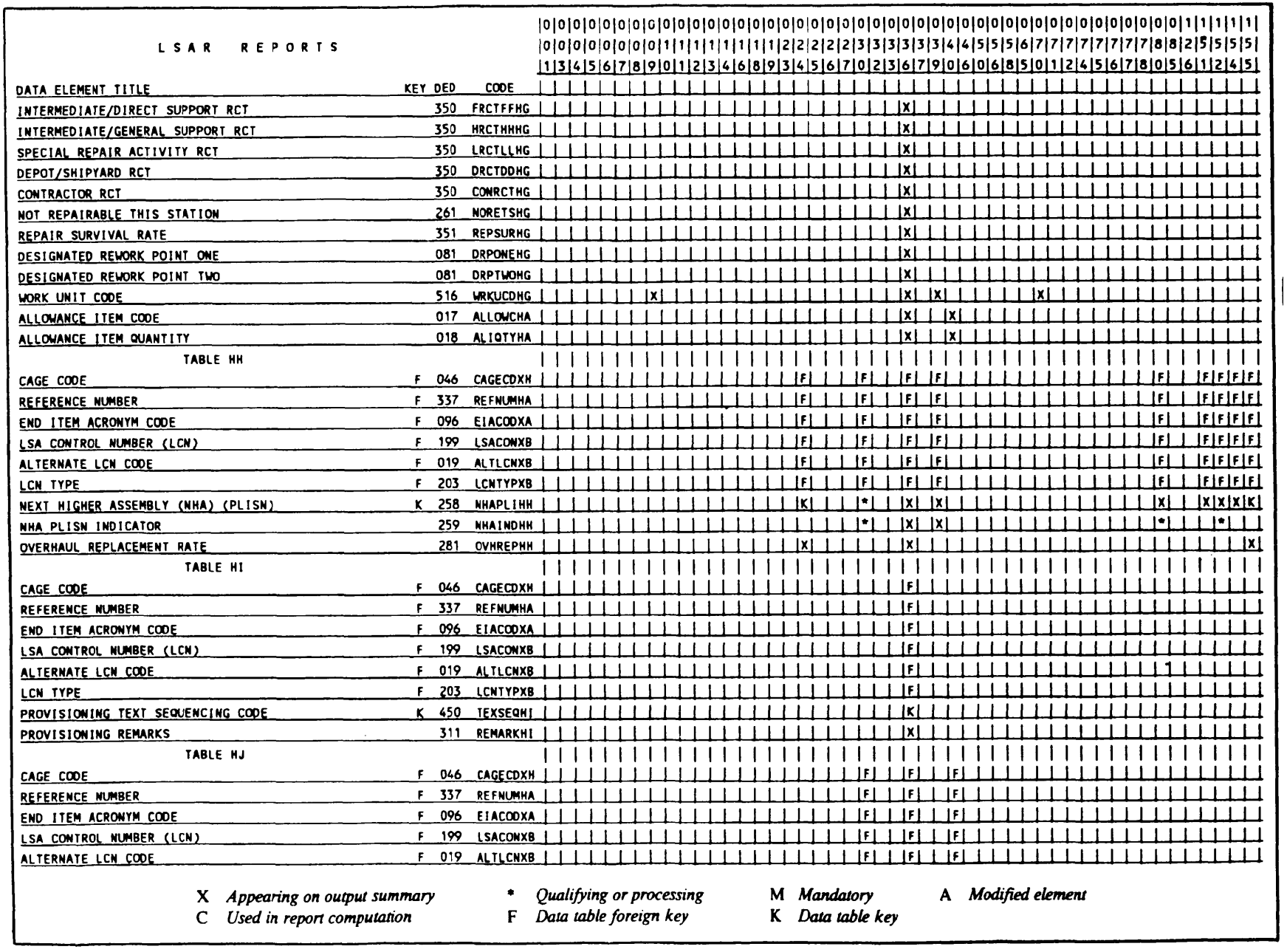


FIGURE 14. LSAR data tables to report matrix - Continued.

LSAR REPORTS

DATA ELEMENT TITLE	KEY	DED	CODE
LCN TYPE	F	203	LCNTYPXB
REFERENCE DESIGNATION	K	335	REFDESHJ
REFERENCE DESIGNATION CODE		336	RDCODEHJ
TECHNICAL MANUAL (TM) CODE		437	TMCODEXI
FIGURE NUMBER		144	FIGNUMHK
ITEM NUMBER		184	ITEMNOHK
TABLE HK			
CAGE CODE	F	046	CAGECDXH
REFERENCE NUMBER	F	337	REFNUMHA
END ITEM ACRONYM CODE	F	096	EIACODXA
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB
ALTERNATE LCN CODE	F	019	ALTLCNXB
LCN TYPE	F	203	LCNTYPXB
TECHNICAL MANUAL (TM) CODE	F	437	TMCODEXI
FIGURE NUMBER	K	144	FIGNUMHK
ITEM NUMBER	K	184	ITEMNOHK
TM FUNCTIONAL GROUP CODE		438	TMFGCDHK
TM INDENTURE CODE		439	TMINDCHK
QUANTITY PER FIGURE		318	QTYFIGHK
TM CHANGE NUMBER		436	TMCHGNHK
TABLE HL			
CAGE CODE	F	046	CAGECDXH
REFERENCE NUMBER	F	337	REFNUMHA
END ITEM ACRONYM CODE	F	096	EIACODXA
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB
ALTERNATE LCN CODE	F	019	ALTLCNXB
LCN TYPE	F	203	LCNTYPXB
TECHNICAL MANUAL CODE	F	437	TMCODEXI
FIGURE NUMBER	F	144	FIGNUMHK
ITEM NUMBER	F	184	ITEMNOHK
PARTS MANUAL TEXT SEQUENCING CODE	K	450	TEXSEQHL
PROVISIONING NOMENCLATURE		310	PROVNOHL
TABLE HM			
CAGE CODE	F	046	CAGECDXH
REFERENCE NUMBER	F	337	REFNUMHA
BASIS OF ISSUE CONTROL	K	030	BOICTRHM
BASIS OF ISSUE QUANTITY	M	030	QTYBOIHM

X *Appearing on output summary*
C *Used in report computation*
* *Qualifying or processing*
F *Data table foreign key*
M *Mandatory*
K *Data table key*
A *Modified element*

FIGURE 14. LSAR data tables to report matrix - Continued.

LSAR REPORTS				
DATA ELEMENT TITLE	KEY	DED	CODE	
BASIS OF ISSUE END ITEM		030	RATIOBHM	
BASIS OF ISSUE LEVEL		030	LVLBOIHM	
TABLE HN				
END ITEM ACRONYM CODE	F	096	EIACODXA	
LCN TYPE	F	203	LCNTYPXB	
S/N PROVISIONING CAGE CODE	F	046	CAGECDHN	
S/N PROVISIONING REFERENCE NUMBER	F	337	REFNUMHN	
S/N PROVISIONING LSA CONTROL NUMBER (LCN)	F	199	LSACONHN	
S/N PROVISIONING ALTERNATE LCN CODE (ALC)	F	019	ALTLCNHN	
S/N PROVISIONING SYSTEM/EI LCN	F	199	LCNSEIHN	
S/N PROVISIONING SYSTEM/EI ALC	F	019	ALCSEIHN	
S/N PROVISIONING SERIAL NUMBER FROM	F	373	FRSNUMHN	
S/N PROVISIONING SERIAL NUMBER TO	F	373	TOSNUMHN	
TABLE HO				
END ITEM ACRONYM CODE	F	096	EIACODXA	
LCN TYPE	F	203	LCNTYPXB	
UOC PROVISIONING CAGE CODE	F	046	CAGECDHO	
UOC PROVISIONING REFERENCE NUMBER	F	337	REFNUMHO	
UOC PROVISIONING LSA CONTROL NUMBER (LCN)	F	199	LSACONHO	
UOC PROVISIONING ALTERNATE LCN CODE (ALC)	F	019	ALTLCNHO	
UOC PROVISIONING SYSTEM/EI LCN	F	199	LCNSEIHO	
UOC PROVISIONING SYSTEM/EI ALC	F	019	ALCSEIHO	
TABLE HP				
CAGE CODE	F	046	CAGECDXH	
REFERENCE NUMBER	F	337	REFNUMHA	
END ITEM ACRONYM CODE	F	096	EIACODXA	
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB	
ALTERNATE LCN CODE (ALC)	F	019	ALTLCNXB	
LCN TYPE	F	203	LCNTYPXB	
CHANGE AUTHORITY NUMBER	K	043	CANUMBHP	
REPLACED OR SUPERSEDING (R/S) (PLISN)		353	RSPLISHP	
R/S PLISN INDICATOR		354	RSPINDHP	
INTERCHANGEABILITY CODE		172	INTCHGHP	
TOTAL ITEM CHANGES		452	TOTICHHP	
QUANTITY SHIPPED		323	QTYSHPHP	
QUANTITY PROCURED		322	QTYPROHP	
PRORATED EXHIBIT LINE ITEM NUMBER (ELIN)		305	PROELIHP	

X *Appearing on output summary*
C *Used in report computation*
* *Qualifying or processing*
F *Data table foreign key*
M *Mandatory*
K *Data table key*
A *Modified element*

FIGURE 14. LSAR data tables to report matrix - Continued.

LSA-001 REQUESTER: MS. SCHMIDT LOGISTIC SUPPORT ANALYSIS RECORD TIME: 14:20 DATE: 90/03/01 PAGE: 1

ANNUAL MAN-HOURS BY SKILL SPECIALTY CODE AND LEVEL OF MAINTENANCE

EIAC	LCN NOMENCLATURE	START LCN	ALC TYPE	STOP LCN	UOC	SERV DES	SSC	SSE	PARTS
REFRIG-UNT	REFRIGERATION UNIT	0	00 F		DCY	ARMY			BOTH

NUMBER OF SYSTEMS SUPPORTED BY MAINTENANCE LEVEL:

OPERATOR/CREW	(C):	5000
ORGANIZATIONAL/AVUM/ON EQUIP	(O):	5000
INTERMEDIATE/DS AVIM/AFLOAT/OFF EQUIP	(F):	5000
INTERMEDIATE/GS/ASHORE	(H):	5000
ASHORE AND AFLOAT (NAVY)	(G):	0
SPECIALIZED REPAIR ACTIVITY	(L):	5000
DEPOT/SHIPYARD	(D):	5000

PART I - MAN-HOUR SUMMARY

SSC	OPERATOR/ CREW (C)	ORGANIZATIONAL/ ON EQUIP (O)	INTERMEDIATE/DS- AVIM/AFL/OF EQP (F)	INTERMEDIATE/ GS/ASHORE (H)	INTERMEDIATE/ NAVY ASH/AFL (G)	SPECIALIZED REPAIR ACT (L)	DEPOT/ SHIPYARD (D)
35B20	0.00	2770.00	0.00	0.00	0.00	0.00	0.00
35B30	0.00	3440.00	1759.15	0.00	0.00	0.00	0.00
44B10	0.00	0.00	213.50	0.00	0.00	0.00	0.00
44E10	0.00	0.00	1186.60	0.00	0.00	0.00	0.00
52C10	0.00	24.57	315.00	0.00	0.00	0.00	0.00
52C20	0.00	614.30	1219.20	0.00	0.00	0.00	0.00
76J10	0.00	0.00	0.00	0.00	0.00	127.00	1005.15

TOTAL NUMBER OF MAINTENANCE TASKS: 33

PART II - PERSONNEL SKILL AND TASK SUMMARY

SSC	LCN NOMENCLATURE	LCN-TYPE ALC	TASK CD	TASK IDENTIFICATION	TASK FREQ	MB	SSE	PERS ID	TRG EQP	M-H PER PERS ID	ANL M-H/ ITEM	TOTAL ANL M-H	FGC
35B20	002	F	GGOAGAA	INSTALL WIRE HARNESS	.2000	O	M	AAA	N	0.67	0.13	670.00	02
	WIRE HARNESS ASSY	00		ASSY									
	00204	F	HGOAAAA	REPLACE LIGHT ASSY	.8400	O	A	AAA	N	0.50	0.42	2100.00	0204
	LIGHT ASSEMBLY	00											
35B30	002	F	GGOAGAA	INSTALL WIRE HARNESS	.2000	O	M	AAF	N	1.34	0.27	1340.00	02
	WIRE HARNESS ASSY	00		ASSY									
	00201	F	JGFOGAA	REPAIR POWER CONTROL	.2330	O	A	ABB	Y	1.51	0.35	1759.15	0201
	POWER CONTROL ASSY	00											
	00204	F	HGOAAAA	REPLACE LIGHT ASSY	.8400	O	A	AAF	N	0.50	0.42	2100.00	0204
	LIGHT ASSEMBLY	00											

FIGURE 15. LSA-001 summary.

LSA-003 REQUESTER: BOB ORENDAS LOGISTIC SUPPORT ANALYSIS RECORD TIME: 10:20 DATE: 90/03/07 PAGE: 01

MAINTENANCE SUMMARY

EIAC	LCN NOMENCLATURE	START LCN	ALC	STOP LCN	UOC	SERV DES	AOR	MB	PEACE/WAR
REFRIG-UNT	REFRIGERATION UNIT	0	00		DCY	AIR FORCE	007200	0	

ORGANIZATIONAL INSPECTIONS

	DAILY INSP		PREOP INSP		POSTOP INSP		PERIODIC INSP		MISS PROF CHG		TURNAROUND	
	M-H	ELAP	M-H	ELAP	M-H	ELAP	M-H	ELAP	M-H	ELAP	M-H	ELAP
REQUIRED	.25	.25	.25	.25	.15	.15	.51	.51	1.00	1.15	.00	.00
STATUS	.00	.00	.00	.00	.00	.00	.28	.03	.00	.00	.00	.00

MAINTENANCE LEVEL CREW/OP

	UNSCH MAINT		MAX TIME		ANNUAL M-H PER END ITEM			M-H PER OPER HOUR		
	M-H	ELAP	TO REPAIR	PCT	SCHED	UNSCHED	TOTAL	SCHED	UNSCHED	TOTAL
REQUIRED	.00	.00	.00	00	.0	.0	.0	.00	.00	.00
STATUS	.00	.00			.5	.0	.5	.00	.00	.00

MAINTENANCE LEVEL ORG

	UNSCH MAINT		MAX TIME		ANNUAL M-H PER END ITEM			M-H PER OPER HOUR		
	M-H	ELAP	TO REPAIR	PCT	SCHED	UNSCHED	TOTAL	SCHED	UNSCHED	TOTAL
REQUIRED	.00	.00	.00	00	.0	.0	.0	.00	.00	.00
STATUS	1.68	1.54			.0	5.1	5.1	.00	.00	.00

MAINTENANCE LEVEL INT(F)

	UNSCH MAINT		MAX TIME		ANNUAL M-H PER END ITEM			M-H PER OPER HOUR		
	M-H	ELAP	TO REPAIR	PCT	SCHED	UNSCHED	TOTAL	SCHED	UNSCHED	TOTAL
REQUIRED	4.00	4.00	5.00	95	75.0	18.0	93.0	.02	.05	.07
STATUS	.69	.53		100	.0	1.9	1.9	.00	.00	.00

STATUS TOTALS FOR ALL MAINT LEVELS:

	ANNUAL M-H PER END ITEM	M-H PER OPER HOUR
SCHEDULED	0.5	0.00
UNSCHEDULED	7.0	0.00
TOTAL M-H PER END ITEM	7.5	0.00

FIGURE 16. LSA-003 summary.

LSA-018 REQUESTER: BOB ORENDAS LOGISTIC SUPPORT ANALYSIS RECORD TIME: 10:20 DATE: 90/03/07 PAGE: 02

TASK INVENTORY REPORT

DUTY (JOB)
TASK IDENTIFICATION
SUBTASK IDENTIFICATION
ELEMENT NARRATIVE

MONITOR (INTERNAL)
CDR'S PANEL MOUNTING, LIGHTS, CONTROL
CDR'S PANEL WARNING LIGHTS
CDR'S WEAPON STATION

PREPARE TO FIRE ACTIVITIES
MAIN GUN
COAXIAL(M-240) MACHINEGUN

OPERATE AUXILIARY SYSTEMS

COMMUNICATIONS (INTERNAL)
COMMUNICATE WITH OTHER CREW MEMBERS
TARGET ACQUISITIONS COMMUNICATIONS

POST OPERATIONS ACTIVITIES (COMMANDER)

PERFORM AFTER OPERATIONS CHECKS

SUPERVISE POST OPERATIONS PMCS
ADJUST GPSE
TEST .50 CAL FIRING MECHANISM
TEST TURRET POWER TRAVERSE OPERATION
CHECK TURRET OVERRIDE CAPABILITY
TRAVERSE CWS USING POWER HANDLE
TRAVERSE CWS MANUALLY
ELEVATE/DEPRESS .50 CAL W/CRANKHANDLE
FIELD STRIP .50 CAL & CHECK PARTS
CLEAN & LUBRICATE .50 CAL

FIGURE 29. LSA-018 summary - continued.

LSA-019 REQUESTER: BOB ORENDAS LOGISTIC SUPPORT ANALYSIS RECORD TIME: 10:20 DATE: 90/03/07 PAGE: 01

TASK ANALYSIS SUMMARY

EIAC	LCN NOMENCLATURE	START LCN	ALC	STOP LCN	TYPE	UOC	SERV DES	M/L SELECT	ICC SELECTION
REFRIG UNT	ENGINE BLOCK	00602			P	DCY	ALL	ALL	ALL

DISP OPT	TASK NARRATIVE SELECTION	HARDNESS CRITICAL PROCEDURES SELECTION	TASK INTERVAL	TASK FUNCTION
LCN	YES	NO		

LCN	ALC	REFERENCE NUMBER	CAGE	ITEM NAME	TM FUNCT GROUP CODE
00602		142-0431ALCA	33647	ENGINE BLOCK	0601

TASK CD	TASK IDENTIFICATION	HCP	HMPC	TSK FREQ	MB	LSAR ELAP TIME	MANUALLY MEASURED ELAPSED TIME
RGFAGAA	REMOVE ENGINE FROM ENGINE ASSY	S	D	.3370	O	.82(M)	_____

SUBTASK NUMBER	TEXT SEQUENCE CODE	SEQUENTIAL TASK NARRATIVE	WORK AREA	PERS ID	MEAN MAN MINUTE	MEAN MINUTE ELAP TIME
001	1	REMOVE THE RINGS FROM THE PISTON USING THE PISTON RING SPREADER.		A	5.0	5.0
002	1	CLEAN PISTON RING GROOVES WITH THE END OF A BROKEN RING.		A	5.0	5.0
003	1	REMOVE THE PISTON PIN RETAINER FROM EACH SIDE.		A	8.0	8.0
004	1	REMOVE TWO SCREWS SECURING THE CARBURETOR TO THE MANIFOLD.		A	10.0	10.0
005	1 2	INSPECT THE PISTONS FOR FRACTURES AT THE RING LANDS SKIRTS AND PIN BOSSES.		A	3.0	3.0
006	1	INSTALL NEW RINGS ON THE PISTON USING A PISTON RING SPREADER.		A	10.0	10.0
007	1 2	ATTACH CONNECTING ROD BY REINSTALLING PISTON PIN AND PIN RETAINERS.		A	8.0	8.0

SSC	SS EVAL	PERSON ID	LSAR MAN-HOURS	MANUALLY MEASURED MAN-HOURS
52C20	E	A	.82(M)	_____

SUPPORT/TEST EQUIPMENT AND TOOLS

ICC	ITEM NAME	REFERENCE NUMBER	CAGE	QTY/TASK	ACTUAL QUANTITY USED	MANUAL EVALUATION
4	PISTON SPREADER	PS5180-91-CN-N1532	10855	1.00	_____	_____

SPARE AND REPAIR PARTS

ICC	ITEM NAME	REFERENCE NUMBER	CAGE	QTY/TASK	ACTUAL QUANTITY USED	MANUAL EVALUATION
X	PISTON	143-0431	44940	1.00	_____	

OTHER

ICC	ITEM NAME	REFERENCE NUMBER	CAGE	QTY/TASK	ACTUAL QUANTITY USED	MANUAL EVALUATION
					_____	_____

SUPPORT ITEMS NOT IDENTIFIED IN LSAR

ICC	ITEM NAME	REFERENCE NUMBER	CAGE	QTY/TASK	ACTUAL QUANTITY USED	MANUAL EVALUATION
					_____	_____

REVIEWER'S NAME _____

FIGURE 30. LSA-019 summary.

LSA-023 REQUESTER: BOB ORENDAS LOGISTIC SUPPORT ANALYSIS RECORD TIME: 0730 DATE: 90/05/01 PAGE: 1

MAINTENANCE PLAN SUMMARY
PART I SYSTEM/END ITEM R&M REQUIRMENT

EIAC	LCN NOMENCLATURE	START LCN	ALC	TYPE	STOP LCN	UOC	SERV DES	ICC SELECTED	RPT PT	DISP OPT	W/P
REFRIG-UNT	REFRIGERATION UNIT	0	00	P	0	DCY	ARMY	BZQY	YYYY	X	

TM FGC	ALC	LCN	LCN NOMENCLATURE	REFERENCE NUMBER	CAGE	ITEM DESIGNATOR CODE	HCI	SC	SEC
00	00	0	REFRIGERATION UNIT	F100000RG-2223-1 1334-FGR	94833	TYPE001 MODEL00002 SR SUFFIX0		B	4

SERIAL NUMBER

FROM	TO	FROM	TO	FROM	TO	FROM	TO
0012	002349						

AOR	MB	AOR	MB	AOR	MB	MSN DUR	MB
7200	0	300	D	10	T	1	D

AI	AA	AO		MTBF	MTBMA	MTBR	MB	MTTR	MAMDT	MAX TTR	PCTL
97.000000	95.000000	90.000000	TECH	350.0	75.0	125.0	0	.35	1.0	7.50	95
			OPER	500.0	90.0		0	.25	.7		
			TECH	0.5	0.1	.15	D				
			OPER	0.4	0.1		D				
			TECH	14.6	3.1	4.2	T				
			OPER	12.0	2.9		T				

MAINTENANCE CONCEPT:

INSPECTION/FAULT LOCATION TO BE ACCOMPLISHED BY CREW MAINTANANCE, WITH FOLLOW-ON INSPECTION/FAULT LOCATION AND REPLACEMENT OF DOOR-SCREEN AND ENGINE ASSEMBLIES PERFORMED BY ORGANIZATIONAL MAINTENANCE. DIRECT SUPPORT TASKED WITH REPLACEMENT OF COMPRESSOR AND REPAIR OF ALL ASSEMBLIES EXCEPT THE WIRE HARNESS, WHICH REQUIRES THE ATTENTION OF DEPOT MAINTENANCE.

MAINTENANCE PLAN RATIONALE:

NONE AT THIS TIME.

FIGURE 31. LSA-023 summary.

LSA-023 REQUESTER: BOB ORENDAS LOGISTIC SUPPORT ANALYSIS RECORD TIME: 0730 DATE: 90/03/01 PAGE: 2

MAINTENANCE PLAN SUMMARY
PART II RELIABILITY AND MAINTAINABILITY

EIAC	LCN NOMENCLATURE	START LCN	ALC	TYPE	STOP LCN	UOC	SERV DES	ICC SELECTED	RPT PT	DISP OPT	W/P
REFRIG-UNT	REFRIGERATION UNIT	0	00	P	0	DCY	ARMY	BZQY	YYYY	X	

TM FGC	LCN NOMENCLATURE	ALC	LCN	NSN AND RELATED DATA	REFERENCE NUMBER	DISP CAGE
00	REFRIGERATION UNIT	00	0	-4110-01-074-5174-	F100000RG-2223-11334-FGR	94833

CONV FACTOR	MAOT	MAC	SMR	UI	UNIT OF ISSUE PRICE	QPA
00001					5876.00	1

RAM INDICATOR CODE: ALLOCATED

	MTBF	MB	MTBMA	MB	MTBM-INH	MB	MTBM-IND	MB	MTBM NO DEF	MB	MTBPM	MB	MTBR	MB
TECH	426.2	0	7.1	0	7.1						7.2	0	10.4	0
OPER	588.1	0	12.2											

	MTTR	MAX TTR	PCTL
TECH	5.18	5.30	95
OPER	4.10		

FIGURE 31. LSA-023 summary - continued.

LSA-023 REQUESTER: BOB ORENDAS LOGISTIC SUPPORT ANALYSIS RECORD TIME: 0730 DATE: 90/03/01 PAGE: 3

MAINTENANCE PLAN SUMMARY
PART III SECTION A

PREVENTIVE MAINTENANCE REQUIREMENTS SUMMARY

EIAC	LCN NOMENCLATURE	START LCN	ALC	TYPE	STOP LCN	UOC	SERV DES	ICC SELECTED	RPT PT	DISP OPT	W/P
REFRIG-UNT	REFRIGERATION UNIT	0	00	P	0	DCY	ARMY	BZQY	YYYY	X	

MAINTENANCE LEVEL: CREW

TM FGC	ALC	TASK CODE	TASK FREQ	MB	HCP	NO SSC	M-H PER SSC	ELAP TIME	SKILL LEVEL	SSC	TRN REC	TRN EQP	LCN
02	00	AACACAA	.3500	0	N	01	.13	.13(P)	B	76J10	N	N	002
06	00	CBCACAA	900.0000	0	N	01	.06	.06(M)	B	76J10	N	Y	006

MAINTENANCE LEVEL: ORG

TM FGC	ALC	TASK CODE	TASK FREQ	MB	HCP	NO SSC	M-H PER SSC	ELAP TIME	SKILL LEVEL	SSC	TRN REC	TRN EQP	LCN
02	00	ABOACAA	.3000	0	N	01	.10	.10(P)	B	52C10	J	Y	002

FIGURE 31. LSA-023 summary - continued.

LSA-023 REQUESTER: BOB ORENDAS LOGISTIC SUPPORT ANALYSIS RECORD TIME: 0730 DATE: 90/03/01 PAGE: 4

MAINTENANCE PLAN SUMMARY
PART III SECTION B

CORRECTIVE MAINTENANCE REQUIREMENTS SUMMARY

EIAC	LCN NOMENCLATURE	START LCN	ALC	TYPE	STOP LCN	UOC	SERV DES	ICC SELECTED	RPT PT	DISP OPT	W/P
REFRIG-UNT	REFRIGERATION UNIT	0	00	P	0	DCY	ARMY	BZQY	YYYY	X	

MAINTENANCE LEVEL: CREW

TM FGC	ALC	TASK CODE	TASK FREQ	MB	HCP	NO SSC	M-H PER SSC	ELAP TIME	SKILL LEVEL	SSC	TRN REC	TRN EQP	LCN
00	00	AGCABAA	.8450	0	N	01	.25	.25(P)	B	76J10	N	N	0
	00	NGCAAAA	3.5470	0	N	01	.27	.27(P)	B	76J10	N	N	0
	00	NGCAAAB	3.0410	0	N	01	.33	.33(P)	B	76J10	N	N	0
	00	NGCAAAC	5.4050	0	N	01	.37	.37(P)	B	76J10	N	Y	0

MAINTENANCE LEVEL: ORG

	00	HGOAAAA	4.0540	0	N	01	.46	.46(P)	I	52C20	J	Y	0
	00	HGOAAAA	4.0540	0	N	01	.17	.46(P)	I	52C10	J	Y	0
	00	JGOAAAA	5.4050	0	N	01	.33	.33(P)	I	52C20	J	Y	0
	00	NGOAAAA	3.0070	0	N	01	.23	.23(P)	I	52C20	J	Y	0
	00	NGOAAAB	2.8010	0	N	01	.25	.25(P)	I	52C20	J	N	0
	00	HGOAAAC	5.1050	0	N	01	.25	.25(P)	I	52C20	J	N	0

FIGURE 31. LSA-023 summary - continued.

LSA-023 REQUESTER: BOB ORENDAS LOGISTIC SUPPORT ANALYSIS RECORD TIME: 0730 DATE: 90/03/01 PAGE: 5

MAINTENANCE PLAN SUMMARY
PART IV RESOURCE REQUIREMENTS

EIAC	LCN NOMENCLATURE	START LCN	ALC	TYPE	STOP LCN	UOC	SERV DES	ICC SELECTED	RPT PT	DISP OPT	W/P
REFRIG-UNT	REFRIGERATION UNIT	0	00	P	0	DCY	ARMY	BZQY	YYYY	X	

MAINTENANCE LEVEL: CREW

TM FGC	ALC	LCN NOMENCLATURE	LCN	TASK CODE	TASK IDENTIFICATION	FAC
00	00	REFRIGERATION UNIT	0	AGCABAA	INSPECT DAMAGE	N

MAINTENANCE LEVEL: CREW

TM FGC	ALC	LCN NOMENCLATURE	LCN	TASK CODE	TASK IDENTIFICATION	FAC
00	00	REFRIGERATION UNIT	0	NGCAAAA	FAULT LOCATION - UNIT INOPERABLE	N

REQUIREMENTS FOR SUPPORT EQUIPMENT:

ICC	ITEM NAME	QTY/TASK	UM	REFERENCE NUMBER	CAGE
Q	FUEL, REG GASOLINE	16.00	GL	VV-G-1690	44566

MAINTENANCE LEVEL: CREW

TM FGC	ALC	LCN NOMENCLATURE	LCN	TASK CODE	TASK IDENTIFICATION	FAC
00	00	REFRIGERATION UNIT	0	NGCAAAB	FAULT LOCATION - INSUFFICANT COOLING	N

MAINTENANCE LEVEL: CREW

TM FGC	ALC	LCN NOMENCLATURE	LCN	TASK CODE	TASK IDENTIFICATION	FAC
00	00	REFRIGERATION UNIT	0	NGCAAAC	FAULT LOCATION - NOISY OPERATION	N

MAINTENANCE LEVEL: ORG

TM FGC	ALC	LCN NOMENCLATURE	LCN	TASK CODE	TASK IDENTIFICATION	FAC
00	00	REFRIGERATION UNIT	0	HGOAAAA	REPLACE REFRIGERATION UNIT	N

REQUIREMENTS FOR SUPPORT EQUIPMENT:

ICC	ITEM NAME	QTY/TASK	UM	REFERENCE NUMBER	CAGE
Q	CLOTHS	.10	PG	E3727	44565
Q	SHIMS	2.00	EA	E3727	44565
Z	TOOL KIT GEN REFRIG	1.00	EA	SC5180-90-CL-N14	44940
4	SOCKET SET	1.00	EA	B2502	22312

FIGURE 31. LSA-023 summary - continued.

LSA-024 REQUESTER: BOB ORENDAS LOGISTIC SUPPORT ANALYSIS RECORD TIME: 10:20 DATE: 90/03/07 PAGE: 01

MAINTENANCE PLAN

EIAC	LCN NOMENCLATURE	START LCN	ALC	STOP LCN	UOC	SERV DES	DISP OPT
REFRIG UNT	DELUXE CARB	00607	02		DCY	ALL	LCN

SELECTION SUMMARY

MAINTENANCE LEVEL OPTION: ALL

PART 2 ITEM CATEGORY CODES SELECTED: ALL

PART III ITEM CATEGORY CODES SELECTED: ALL

EQUIPMENT TYPE CODE: SUPPORT EQUIPMENT

REPORT PARTS SELECTED: ALL

FIGURE 32. LSA-024 summary.

LSA-024 REQUESTER: BOB ORENDAS LOGISTIC SUPPORT ANALYSIS RECORD TIME: 10:20 DATE: 90/03/07 PAGE: 02

MAINTENANCE PLAN

PART I - GENERAL CONSIDERATIONS

REFERENCE NUMBER
142-0431ALCA

CAGE
33647

ITEM DESIGNATOR

NSN & RELATED DATA

MAINTENANCE PLAN NUMBER
TEST

SERD NUMBER
TESTX12345

TM FGC: 0601

SMR CODE: PAOFF

NALC: A1B

DLSC SCREEN: 10-05-84

TYPE EQUIP CODE: T123

PREPARING ACTIVITY
MRSA

PREPARED BY: FISHER

REVIEWED BY: _____

DATE OF SUB/REV/DATE OF REV: 06-06-47/A/04-16-44

APPROVED BY: _____ DATE OF APPROVAL: _____

TITLE: _____

LCN 00607 ALC 02

NARRATIVE

ITEM FUNCTION: DEVICE PRODUCING AN EXPLOSIVE MIXTURE OF GAS AND AIR.

MAINTENANCE CONCEPT: ADJUST AND REPLACE TASKS ACCOMPLISHED BY ORGANIZATIONAL MAINTEN ANCE. DISASSEMBLE/ASSEMBLE. REPAIR AND SERVICE PERFORMAED BY DI RECT SUPPORT MAINTENANCE.

MAINTENANCE PLAN RATIONALE:

FIGURE 32. LSA-024 summary - continued.

LSA-024 REQUESTER: BOB ORENDAS LOGISTIC SUPPORT ANALYSIS RECORD TIME: 10:20 DATE: 90/03/07 PAGE: 03
MAINTENANCE PLAN
PART II - REPAIR CAPABILITY

REFERENCE NUMBER: 142-0431ALCA
CAGE: 33647
ITEM DESIGNATOR:
NSN & RELATED DATA:
MAINTENANCE PLAN NUMBER: TEST
SERD NUMBER: TESTX12345
TM FGC: 0601
SMR CODE: PAOFF
NALC: A18
DLSC SCREEN: 10-05-84
DATE OF SUB/REV/DATE OF REV: 06-06-47/A/04-16-44
APPROVED BY: _____ DATE OF APPROVAL: _____
TITLE: _____
TYPE EQUIP CODE: T123
PREPARING ACTIVITY: MRSA
PREPARED BY: FISHER
REVIEWED BY: _____

REPAIRABLE ITEMS

LCN	ALC	REFERENCE NUMBER	CAGE	ITEM NAME	NSN & RELATED DATA	TM FGC	IND	I/R
00607	02	142-0431ALCA	44940	CARBURETOR ASSY		0601	B	

TECHNICAL FACTORS

SMR: PAOFF
WEAROUT: 9000
MB: 0
AMC: 1
SMIC: G
DMIL: A
RIP: 000
AMSC:
MCI: NO

MAINTENANCE TASK DISTRIBUTION

O	DS	GS	SRA	D	CBD	CAD
--	35	20	--	00	15	00

MRR: 1.3323 MSO: 5
MRF: 00.0000 SAR: 1.00
RPF: 00.7328 RSR:
DSR: RRR: .01
BDSR: 00.1998

INTERVAL: MAINT CYCLE
P: 1680
C: 1473.4
T:
U:

MAINTENANCE SIGNIFICANT CONSUMABLES

LCN	ALC	REFERENCE NUMBER	CAGE	ITEM NAME	NSN & RELATED DATA	TM FGC	IND	I/R
00607AA	02	142-0431ALCA1	44940	VALVE, CARBURETOR				

FIGURE 32. LSA-024 summary - continued.

LSA-033 REQUESTER: MS. SCHMIDT LOGISTIC SUPPORT ANALYSIS RECORD TIME: 14:20 DATE: 90/03/01 PAGE: 1

PREVENTIVE MAINTENANCE CHECKS AND SERVICES

EIAC	LCN NOMENCLATURE	START LCN	ALC	TYPE	STOP LCN	UOC	SERV DES	TM CODE	TM NUMBER
REFRIG-UNT	REFRIGERATION UNIT	0	00	P			ARMY	TM7	TM 5-4110-296-12

ITEM NO.	INTERVAL	ITEMS TO CHECK/SERVICE	PROCEDURE	NOT FULLY MISSION CAPABLE IF:
0001	BEFORE	REFRIGERATION UNIT	A. CHECK FOR EVIDENCE OF LEAKAGE (OIL, FUEL, HYDRAULIC FLUID OR COOLANT) ON OR UNDER THE UNIT.	CLASS III LEAKAGE IS EVIDENT (NO FUEL LEAKAGE IS ALLOWED)
			B. CHECK COOLANT PRESSURE. ADD FREON TO APPROXIMATELY 20-22 PSI.	CLASS II LEAKAGE IS EVIDENT
			C. VISUALLY INSPECT FOR LOOSE, MISSING OR DAMAGED PARTS.	
0002	BEFORE	ENGINE	CHECK OIL LEVEL. ADD OIL UP TO FULL MARK ON DIPSTICK	
0003	BEFORE	BELTS	VISUALLY INSPECT ENGINE DRIVE BELTS FOR FRAYED OR DETERIORATED CONDITION.	BELT MISSING OR BROKEN
0004	DURING	DOOR	CHECK FOR PROPER SEAL AND VACUUM.	DOOR DOES NOT REMAIN CLOSED
0005	WEEKLY	FUEL FILTER	DRAIN WATER AND SEDIMENT.	
0006	300 HOURS	ENGINE	DRAIN ENGINE OIL. REFILL CRANKCASE PER LO5-4110-296-12	

FIGURE 38. LSA-033 summary.

LSA-036 REQUESTER: MS. SCHMIDT LOGISTIC SUPPORT ANALYSIS RECORD TIME: 14:20 DATE: 90/03/01 PAGE: 1

PROVISIONING REQUIREMENTS

PCCN	PIIN/SPIIN	NOMENCLATURE OF MODEL OR TYPE NUMBER	CONTROL DATA	PRIME CAGE	SUBMITTER CONTROL NO	SUBMITTAL DATE	MULTI-CONFIG UOCS ASSIGNED	FULL EFFECTIVITY UOC SUPPRESS
A90B10	DAAK-89-1234AALQ123	AN/REF-143	PL-13882B	44940	00001	900301	YES	NO

SYSTEM/END ITEM USABLE ON CODES SELECTED: DCY, DCX, DCZ

MULTI-CONFIGURATION UOCS ASSIGNED:

DCY: DCY DCX: DCX DCZ: DCZ DCX AND DCY: A DCX AND DCZ: B DCY, DCX, AND DCZ: (BLANK)

CHANGE AUTHORITY NUMBERS

FIRST NUMBER	SECOND NUMBER	THIRD NUMBER	FOURTH NUMBER	FIFTH NUMBER	SIXTH NUMBER
NONE					

FIRST RANGE		SECOND RANGE		THIRD RANGE		FOURTH RANGE		FIFTH RANGE	
START-PLISN	STOP-PLISN	START-PLISN	STOP-PLISN	START-PLISN	STOP-PLISN	START-PLISN	STOP-PLISN	START-PLISN	STOP-PLISN
A121	A125	F121	F125						

TYPE LIST(S)	OUTPUT MODE	PROVISIONING BASELINED	QPEI CALCULATED	OVERHAUL PLISNS	PART II	PART III
PROVISIONING PARTS LIST	TAPE AND REPORT WITH HEADERS	YES (INITIAL)	YES (OPTION 1)	NO	STANDARD	OPTION 1

PLISN TOTALS FOR PCCN A90B10

EXTRACTED FROM H DATA TABLES	NOT SELECTED	EXTRACTED FROM PROV BASELINE	ADDED TO PROV BASELINE	DELETED FROM PROV BASELINE	NEW PROVISIONING BASELINE
10	8	0	2	0	2

LSA-036 PLISN CARD RECORD TOTALS

	A	B	C	D	E	F	G	H	J	K	M
ADDED (TOCC = SPACE)	3	2	2	4	2	0	0	2	6	4	0
MODIFIED (TOCC = L, M, Q)	0	0	0	0	0	0	0	0	0	0	0
DELETED (TOCC = D, G)	0	0	0	0	0	0	0	0	0	0	0

LSA-036 REQUESTER: MS. SCHMIDT LOGISTIC SUPPORT ANALYSIS RECORD TIME: 14:20 DATE: 90/03/01 PAGE: 3

PROVISIONING REQUIREMENTS

PART II STANDARD EDIT REPORT FOR PCCN A90B10

PLISN	REFERENCE NUMBER	CAGE	LCN	ALC	MESSAGE
A121	14109-23L	44940	002	00	PLISN DISQUALIFIED, NO MATCH ON UOC
A122	12B90A-098/32	33125	00201	00	PLISN DISQUALIFIED, NO MATCH ON PTD SELECT
A123	142-0001	44940	00202	00	PLISN RETAINED ON LSA-036 QPEI NOT CALCULATED, NO TOPDOWN BREAKDOWN
A124	1829180/90	89104	00203	00	PLISN DISQUALIFIED, NO MATCH ON UOC
A125	21290/78-1	21289	00204	00	PLISN DISQUALIFIED, NO MATCH ON UOC
F120	AER-01290	45346	0150101	00	PLISN DISQUALIFIED, NO MATCH ON PTD SELECT
F121	5E23	10990	0150102	00	PLISN DISQUALIFIED, NO MATCH ON PTD SELECT
F122	142-0001	44940	0150103	00	PLISN RETAINED ON LSA-036 QPEI NOT CALCULATED, NO TOPDOWN BREAKDOWN
F123	A99-098TY	10990	0150104	00	PLISN DISQUALIFIED, NO MATCH ON PTD SELECT
F124	89-19092/18965RK 7-PQ	65903	0150104	01	PLISN DISQUALIFIED, NO MATCH ON PTD SELECT
F125	231-IU	55901	0150105	00	PLISN DISQUALIFIED, NO MATCH ON PTD SELECT

FIGURE 39. LSA-036 summary - continued.

LSA-036 REQUESTER: MS. SCHMIDT LOGISTIC SUPPORT ANALYSIS RECORD TIME: 14:20 DATE: 90/03/01 PAGE: 4

PROVISIONING REQUIREMENTS

PART III OPTION 1. ARMY EDIT REPORT FOR PCCN A90B10

EACH EDIT NUMBER (EDIT NO) IS SEPARATELY SELECTABLE BY THE REQUIRING AUTHORITY.

EDIT NO	EDIT	ERRORS	SELECTED	ASSOCIATED ERROR MESSAGES
1	ITEM NAME	0002	YES	010
2	UNIT OF MEASURE (UM) AND UM PRICE	0002	YES	020
3	USABLE ON CODE (UOC)	0000	YES	030
4	INDENTURE CODE (IND CD)		NO	040, 390
5	ADDITIONAL REFERENCE NUMBER (ARN)		NO	050
6	ESSENTIALITY CODE (EC) OPTIONS A OR B	0001	OPTION A	060
7	SHELF LIFE (SL)		NO	070
8	NATIONAL STOCK NUMBER (NSN)		NO	080
9	UNIT OF ISSUE (UI) AND UI PRICE		NO	090
10	QUANTITY PER UNIT PACK		NO	100
11	SOURCE MAINTENANCE AND RECOVERABILITY (SMR) CODE	0006	OPTION B	
	OPTION A			110
	OPTION B			120, 130, 140, 150, 170, 180, 190, 200 210, 220
	OPTION C			120, 130, 140, 160, 170, 180, 190, 200 210, 220
12	DEMILITARIZATION CODE (DEMIL)	0000	YES	230
13	PRODUCTION LEAD TIME (PLT)	0000	YES	240
15	PHYSICAL SECURITY/PILFERAGE CODE (PS/PC)		NO	250
16	NEXT HIGHER ASSEMBLY (NHA) PLISN		NO	260
17	QUANTITY PER ASSEMBLY (QPA)		NO	270
18	MAINTENANCE REPLACEMENT RATES (MRR)		NO	280
19	REFERENCE DESIGNATION CODE (RDC)		NO	290
20	ALLOWANCE ITEM CODE (AIC)		NO	300
21	PLISN AND NHA PLISN		NO	310
22	ASTERISK INDENTURE CODE AND NHA PLISN		NO	320
23	ASSEMBLED ITEMS AND PARTS AND SMR		NO	330, 340
24	SMR ASSEMBLY AND PARTS		NO	350
25	ITEM AND NHA ITEM INDENTURE CODE		NO	360
26	UM PRICE OF ITEM AND NHA		NO	370
27	OVERHAUL REPLACEMENT RATES		NO	380
29	INTERCHANGEABILITY CODE (INTCH CD) AND R/S PLISN		NO	400

FIGURE 39. LSA-036 summary - continued.

LSA-036 REQUESTER: MS. SCHMIDT LOGISTIC SUPPORT ANALYSIS RECORD TIME: 14:20 DATE: 90/03/01 PAGE: 5

PROVISIONING REQUIREMENTS

PART III OPTION 1, ARMY EDIT REPORT FOR PCCN A90B10

NOTE: DATA FIELDS AFFECTED BY THE EDIT ARE DEPICTED BY TABLE CODE.DATA ELEMENT CODE FOLLOWING THE EDIT MESSAGE.

* 010 MISSING ITEM NAME * HA.ITNAMEHA

* 020 MISSING UM/UM PRICE * HA.UNITMSHA, HE.UMPRICHD, HE.PROUMPHE

* 030 UOC NOT 3 POSITIONS * HO.UOCSEIXC

* 040 INDENTURE CODE MISSING * HG.INDCODHG

* 050 RNCC MISSING, MULTIPLE D & C/7 * HB.ADRNCCHB * ADDITIONAL REFERENCE NUMBERS (ARN) MUST EACH HAVE AN RNCC. IN ADDITION NO MORE THAN ONE DRAWING AND ONE SPECIFICATION NUMBER DESIGNATED BY D AND C OR 7 CAN BE INCLUDED IN ARNS FOR A REFERENCE NUMBER/CAGE COMBINATION.

* 060 ESSENTIALITY CODE MISSING * HG.ESSCODHG * OPTION A OF ESSENTIALITY CODE (EC) EDIT REQUIRES THAT EC BE ENTERED FOR ALL PLISNS. OPTION B REQUIRES EC ON RECORDS WITH SMR SOURCE CODE OF PA, PC OR PG.

* 070 SHELF LIFE MISSING * HA.SHLIFEHA

* 080 NSN NOT 13 POSITIONS, FIXED * HA.FSCNSNHA, HA.NIINSNHA * FSC AND NIIN MUST EITHER BOTH BE BLANK OR HAVE ENTRIES.

* 090 MISSING UI/UI PRICE & UI CONVERSION FAC * HD.UIPRICHD, HD.PROUIPHD * APPLICABLE ONLY AGAINST "P" SOURCE CODED ITEMS.

* 100 MISSING QUANTITY PER UNIT PACK * HF.DEGPROHF, HF.QTYUPKHF

* 110 SMR NOT BLANK (OPTION A) * HG.SMRCODHG

* 120 SMR OTHER THAN ARMY ALLOWED CODES * HG.SMRCODHG * DATA EDITS FOR OPTIONS B AND C REQUIRE SPECIFIC SUBFIELD EDIT VARIATIONS FROM AR 700-82, JOINT REGULATION GOVERNING USE AND APPLICATION OF SOURCE MAINTENANCE AND RECOVERABILIYT CODES, WHICH ARE ESTABLISHED IN THE BASIC EDITS FOR SMR.

A. SOURCE CODE (POSITIONS 1 AND 2). CODES MG AND AG ARE NOT ALLOWED. IN ADDITION TO THE CODES LISTED IN AR 700-82, CODE XD IS PERMITTED.
B. MAINTENANCE REMOVE (POSITION 3). CODES ALLOWED ARE C, O, F, H, AND D. CODES 2 THROGH 6 AND G ARE NOT ALLOWED.
C. MAINTENANCE REPAIR (POSITION 4). CODES ALLOWED ARE O, F, H, D, L, Z, AND B. CODE G IS NOT ALLOWED.
D. RECOVERABILITY CODE (POSITION 5). CODES ALLOWED ARE O, F, H, D, L, Z AND A. CODE G IS NOT ALLOWED.

* 130 MAINT LEVEL CODES NOT COMPATIBLE (SMR-3/4) * HG.SMRCODHG * THE FOLLOWING COMBINATIONS OF MAINTENANCE (REMOVE) 3D POSITION AND MAINTENANCE (REPAIR) 4TH POSITION OF THE SMR ARE INVALID: DO, DF, DH, HO, HF, AND FO.

* 140 SMR-3 MUST BE D WHEN SOURCE CODE IS KD * HG.SMRCODHG

* 150 MAINT/RECOV NOT EQUAL (OPTION B) * HG.SMRCODHG * UNDER SMR EDIT OPTION B, THE SMR-4 AND SMR-5 MUST BE EQUAL; OR SMR-4 MUST BE B; OR SMR-5 MSUT BE A.

* 160 MAINT/RECOV NOT COMPATIBLE (OPT C) * HG.SMRCODHG * USING SMR EDIT OPTION C, THE POLLOWING COMBINATIONS OF SMR-4 AND SMR-5 ARE PERMITTED: B-, -A, OO, OF, OH, OL, OD, FF, FH, FL, FD, HH, HL, HD, DD, DL, AND ZZ.

FIGURE 39. LSA-036 summary - continued.

```
LSA-036   REQUESTER:  MS  SCHMIDT          LOGISTIC SUPPORT ANALYSIS RECORD    TIME:  14:20  DATE:  90/03/01  PAGE:   6

                                    PROVISIONING REQUIREMENTS

PART III                                OPTION 1, ARMY EDIT REPORT FOR PCCN A90B10

* 170 MTD NOT COMPATIBLE WITH SMR (SMR3/4) *  HG.SMRCODHG, HG.OMTDOOHG, HG.FMTDFFHG, HG.HMTDHHHG, HG.LMTDLLHG, HG.DMTDDDHG,
HG.CBDMTDHG, HG.CADMTDHG  *  AN EDIT IS PERFORMED BETWEEN SMR AND MAINTENANCE TASK DISTRIBUTION (MTD).   MTD IS A MANDATORY
ENTRY FOR ALL PA, PC, OR PG SOURCE CODED ITEMS WHEN SMR-4 IS NOT Z OR B. OTHERWISE, MTD SHOULD BE BLANK.
    A.  IF SMR-3 EQUALS O AND SMR-4 IS:
          O, THEN MTD O AND CBD MUST EQUAL 100 PERCENT.
          F, THEN MTD-O, MTD-F, AND CBD MUST EQUAL 100 PERCENT AND MTD-F CANNOT BE BLANK.
          H, THEN MTD-O, MTD-F, MTD-H, MTD-L, AND CBD MUST EQUAL 100 PERCENT AND MTD-H/L CANNOT BE ZERO.
          D, THEN MTD-O, MTD-F, MTD-H, MTD-L, MTD-D AND CAD MUST EQUAL 100 PERCENT AND MTD-D CANNOT BE ZERO.
    B   IF SMR-3 EQUALS F AND SMR-4 IS:
          F, THEN MTD F, AND CBD MUST EQUAL 100 PERCENT AND MTD-F CANNOT BE BLANK.
          H, THEN MTD F, MTD-H, MTD L, AND CBD MUST EQUAL 100 PERCENT AND MTD-H/L CANNOT BE ZERO.
          D, THEN MTD F, MTD-H, MTD L, MTD-D AND CAD MUST EQUAL 100 PERCENT AND MTD-D CANNOT BE ZERO.
    C.  IF SMR-3 EQUALS H AND SMR-4 IS:
          H, THEN MTD-H, MTD-L, AND CBD MUST EQUAL 100 PERCENT AND MTD-H/L CANNOT BE ZERO.
          D, THEN MTD-H, MTD-L, MTD-D AND CAD MUST EQUAL 100 PERCENT AND MTD-D CANNOT BE ZERO.
    D.  IF SMR 3 EQUALS D THEN SMR 4 MUST EQUAL D AND MTD-D AND CAD MUST EQUAL 100 PERCENT.

* 180 MTD NOT BLANK FOR OTHER THAN PA/PC/PG SOURCE *  HG.SMRCODHG, HG.OMTDOOHG, HG.FMTDFFHG, HG.HMTDHHHG, HG.LMTDLLHG,
HG.DMTDDDHG, HG.CBDMTDHG, HG.CADMTDHG

* 190 RTD NOT COMPATIBLE WITH SMR (SMR-3) * HG.SMRCODHG, HG.ORTDOOHG, HG.FRTDFFHG, HG.HRTDHHHG, HG.LRTDLLHG, HG.DRTDDDHG  *
AN EDIT IS PERFORMED BETWEEN THE SMR AND THE REPLACEMENT TASK DISTRIBUTION (RTD).  RTD IS MANDATORY FOR PA, PC AND PG SOURCE
CODED ITEMS.  OTHERWISE RTD SHOULD BE BLANK.
    A.  WHEN SMR-4 EQUALS Z AND SMR-3 IS:
          O, THEN RTD-O, RTD F, RTD-H, RTD-L, AND RTD-D MUST EQUAL 100 PERCENT AND RTD-O CANNOT BE ZERO.
          F, THEN RTD-F, RTD H, RTD-L, AND RTD-D MUST EQUAL 100 PERCENT AND RTD-F CANNOT BE ZERO.
          H, THEN RTD-H, RTD L, AND RTD D MUST EQUAL 100 PERCENT AND RTD-H AND RTD-L CANNOT BE ZERO.
          D, THEN RTD D MUST EQUAL 100 PERCENT.
    B.  WHEN SMR-4 EQUALS O SMR-3 MUST EQUAL O AND RTD-O MUST EQUAL 100 PERCENT.
    C.  WHEN SMR-4 EQUALS F AND SMR 3 IS:
          O, THEN RTD-O, AND RTD-F MUST EQUAL 100 PERCENT AND RTD-O CANNOT BE ZERO.
          F, THEN RTD-F MUST EQUAL 100 PERCENT.
    D.  WHEN SMR-4 EQUALS H OR L AND SMR-3 IS:
          O, THEN RTD-O, RTD F, RTD-H, AND RTD-L MUST EQUAL 100 PERCENT AND RTD-O CANNOT BE ZERO.
          F, THEN RTD-F, RTD-H, AND RTD-L, MUST EQUAL 100 PERCENT AND RTD-F CANNOT BE ZERO.
          H, THEN RTD-H, AND RTD-L, MUST EQUAL 100 PERCENT.
    E.  WHEN SMR-4 EQUALS D AND SMR 3 IS:
          O, THEN RTD-O, RTD-F, RTD-H, RTD-L, AND RTD-D MUST EQUAL 100 PERCENT AND RTD-O CANNOT BE ZERO.
          F, THEN RTD F, RTD-H, RTD-L, AND RTD D MUST EQUAL 100 PERCENT AND RTD-F CANNOT BE ZERO.
          H, THEN RTD H, RTD L, AND RTD D MUST EQUAL 100 PERCENT AND RTD-H OR RTD-L CANNOT BE ZERO.
          D, THEN RTD-D MUST EQUAL 100 PERCENT.

* 200 RTD NOT BLANK FOR OTHER THAN PA/PC/PG SOURCE  *  HG.SMRCODHG, HG.ORTDOOHG, HG.FRTDFFHG, HG.HRTDHHHG, HG.LRTDLLHG,
HG.DRTDDDHG

* 210 MRR MISSING FROM PA/PC OR PG SOURCE *  HG.SMRCODHG, HG.MRRONEHG, HG.MRRTWOHG, HG.MRRMODHG * MAINTENANCE REPLACEMENT RATES I,
II, AND MODIFIER MUST NOT BE BLANK FOR SOURCE CODES PA, PC AND PG EXCEPT FOR ITEMS WITH 'D' IN 3RD POSITION OF SMR.
```

FIGURE 39. LSA-036 summary - continued.

LSA-036 REQUESTER: MS. SCHMIDT LOGISTIC SUPPORT ANALYSIS RECORD TIME: 14:20 DATE: 90/03/01 PAGE: 4

PROVISIONING REQUIREMENTS

PART III OPTION 2, AIR FORCE L CARD FOR PCCN A90B10

AIR FORCE L CARDS ARE DISPLAYED IN THIS SECTION OF THE REPORT FROM A SORTED FILE EXTERNAL TO THE LSAR DATA TABLES IN ASCENDING PLISN AND CFI SEQUENCE. IF THE TAPE OPTION IS REQUESTED THE L CARDS ARE MERGED WITH THE LSA-036 A-K CARD RECORDS.

```
....:....1....:....2....:....3....:....4....:....5....:....6....:....7....:....8

A90B10A123  E  18  0007C1                                                  01L
A90B10A123  3220008763125  3218916590/902                                  02L
A90B10A123    95JUN0010AUG0008OCT0013                                      03L

....:....1....:....2....:....3....:....4....:....5....:....6....:....7....:....8
```

(REPORT WITHOUT HEADER OPTION)

1-6	7-11	12	13	14	15	16-17	18-19	20-23	24	25	26	27	28-31	32-33	34	35	36	37-39	40-63	64-77	78-79	80
		TO	MT	BL	WR	WRMC	ATC	SPRAM	HM	RN	IS		MOE	PI	MO	MO	PC		BL	REQUISITION	CS	CF
PCCN	PLISN	CC	CH	NK	WC	QTY	QTY	QTY	I	J	S	SI	RULE	CA	S	SM	A	MIE	NK	NUMBER	N	I
A90B10	A123	-	E		W	18	--	0007	C	1	-	-	----	--	-	-	-	---		----------	01	L

1-6	7-11	12	13-25	26-27	28-32	33-64	65-77	78-79	80
		TO	SUB NATIONAL	SUBSTITUTE	SUBSTITUTE			CS	CF
PCCN	PLISN	CC	STOCK NUMBER	MMAC	CAGE	SUBSTITUTE REFERENCE NUMBER	BLANK	N	I
A90B10	A123	-	3220008763125	--	32189	16590/902		02	L

1-6	7-11	12	13-14	15-16	17-19	20-23	24-26	27-30	31-33	34-37	38-40	41-44	45-47	48-51	52-54	55-58	59-61	62-65	66-71	72-77	78-79	80
		TO	ACT						DELIVERY SCHEDULE										DESTI		CS	CF
PCCN	PLISN	CC	CODE	YEAR	MONTH	QTY	MONTH	QTY	MONTH	QTY	MONTH	QTY	MONTH	QTY	MONTH	QTY	MONTH	QTY	NATION	ELIN	N	I
A90B10	A123	-	--	95	JUN	0010	AUG	0008	OCT	0013	---	----	---	----	---	----	---	----	------	------	03	L

(REPORT WITH HEADER OPTION)

FIGURE 39. LSA-036 summary - continued.

LSA-037 REQUESTER: BOB ORENDAS LOGISTIC SUPPORT ANALYSIS RECORD TIME: 0730 DATE: 90/03/01 PAGE: 1

SPARES AND SUPPORT EQUIPMENT IDENTIFICATION LIST

EIAC	LCN NOMENCLATURE	START LCN	ALC	TYPE	STOP LCN	UOC	ICC SELECTED	RPT PT
REFRIG-UNT	REFRIGERATION UNIT	0	00	P	0	DCY	BZQYX	YYYY

SECTION A: INVESTMENT SPARES; REPAIR PARTS AND SUPPLIES

MANUFACTURERS PART NUMBER	ITEM NAME	CAGE	EC	MTBF	MB	QTY/EI	QTY/REC	PLT	PMIC	DMILC	SLAC	UNIT OF MEASURE UM PRICE
1240D1	CARD ASSY/DPIO	18655	1	20000.0(P)	H	2	1	8	A	B	33	1535.00 EA

SECTION B: EXPENSE SPARES, REPAIR PARTS AND SUPPLIES

MANUFACTURERS PART NUMBER	ITEM NAME	CAGE	PLT	LRU	UNIT OF MEASURE PRICE	UM
112202-01	LAMP DRIVER	62623	10	Y	541.83	EA

SECTION C: SUPPORT EQUIPMENT

MANUFACTURERS PART NUMBER	ITEM NAME	QTY REC	CAGE	PMIC	DMILC	UNIT OF MEASURE PRICE	UM
HP5411D	OSCILLOSCOPE	1	28480	A	B	3150.00	EA

SECTION D: TOOLS AND TEST EQUIPMENT

MANUFACTURERS PART NUMBER	ITEM NAME	CAGE	PLT	UNIT OF MEASURE PRICE	UM
P6015	PROBE/TEST	28480	6	176.50	EA

FIGURE 40. LSA-037 summary.

LSA-046 REQUESTER: MS. SCHMIDT LOGISTIC SUPPORT ANALYSIS RECORD TIME: 14:20 DATE: 90/03/01 PAGE: 1

NUCLEAR HARDNESS CRITICAL ITEM SUMMARY

FIAC	ITEM NAME	START LCN	ALC	TYPE	STOP LCN	UOC	SEQ	OPT
REFRIG-UNT	REFRIGERATION UNIT	0	00	P		DCY	REF-NO	

REFERENCE NUMBER	CAGE	ITEM NAME	IMC	SMR	PCCN	PLISN	IND	QTY/ASSY	QTY/EI
A5051	41947	NUT, TUBE, COUPLING	A	PAOZZ	A90B10	A034	C	6	14
				PAFZZ	A90B10	A179	E	4	REF
BC192015	34127	VALVE, SHUTOFF	G	PAOFF	B90134	AACX	B	1	1
MS27183-123	10855	WASHER, FLAT	A	PAOZZ	A90B10	A031	C	12	22
				PAFZZ	A90B10	F110	E	6	REF
				PAHZZ	B90134	ACAL	D	4	4
MS18802.35	10855	SCREW, CAP, HEX HD	A	PAOZZ	A90B10	A032	C	12	22
				PAFZZ	A90B10	F111	E	6	REF
				PAHZZ	B90134	ACAM	D	4	4

FIGURE 43. LSA-046 summary.

LSA-050 REQUESTER: BOB ORENDAS LOGISTIC SUPPORT ANALYSIS RECORD TIME: 0730 DATE: 90/03/01 PAGE: 1
RELIABILITY CENTERED MAINTENANCE SUMMARY
PART I
FAILURE MODES WITH RCM ANALYSIS

EIAC	LCN NOMENCLATURE	START LCN	ALC	TYPE	STOP LCN	UOC	SHSC SEL	RPT PT	SELECT DISP
REFRIG-UNT	REFRIGURATION UNIT	0	00	P	00602	DCY	2	YYY	A

LOGIC UTILIZED: AMCP 750-2

LCN	ALC	LCN NOMENCLATURE	SHSC	FMI	MPC	LOGIC RESULTS 00000000011111111111222222 12345678901234567890123456789012345	DISPOSITION ABCDEFGHIJ	FM CRIT OR FAIL PROB
0	00	REFRIGERATION UNIT	2	FAAB	B	Y NNNN Y	Y	418.78

MTBPM	MB	FAILURE RATE	MB	FMR
7.2(P)	H	.0006667(P)	H	.607

PREVENTIVE MAINTENANCE LCN	ALC	TASK CODE	ELAPSED TIME
	00		

RCM REASONING:
LOGIC RESULT OF 01 IS (Y) BECAUSE THE ITEM HAS A SHSC OF (2). LOGIC RESULT OF 05 IS (N) BECAUSE THERE ARE NO MEANS OF INSPECTION ONLY TESTING. LOGIC RESULT OF 06 IS (N) BECAUSE LITTLE MAINTENANCE IS DONE. LOGIC RESULTS OF 07 IS (N) BECAUSE THERE IS NO ADVERSE RELATIONSHIP. LOGIC RESULT OF 08 IS (N) BECAUSE CREW DOES NOT INSPECT THE ITEM. LOGIC RESULT OF 10 IS (Y) BECAUSE IMPEDING FAILURE CAN BE DETECTED BY TESTING. DISPOSITION OF A IS (Y) BECAUSE TESTING IS ACCEPTABLE.

RCM REDESIGN/NARRTATIVE:
NOT APPLICABLE.

RCM AGE EXPLORATION NARRATIVE:
NOT APPLICABLE.

LCN	ALC	LCN NOMENCLATURE	SHSC	FMI	MPC	LOGIC RESULTS 00000000011111111111222222 12345678901234567890123456789012345	DISPOSITION ABCDEFGHIJ	FM CRIT LCN OR FAIL PROB
0	00	REFRIGERATION UNIT	2	FAAA	A	Y Y Y	Y	358.95

MTBPM	MB	FAILURE RATE	MB	FMR
7.2(P)	H	.0006667(P)	H	.607

PREVENTIVE MAINTENANCE LCN	ALC	TASK CODE	ELAPSED TIME	LCN	ALC	TASK CODE	ELAPSED TIME
005	00	ABCACAA	.27(P)	005	00	ABOACAA	.12(P)

RCM REASONING:
LOGIC RESULT(01) IS (Y) BECAUSE SHSC IS (2). LOGIC RESULT(05) IS (Y) BECAUSE OPERATOR CAN DETECT IMPENDING FAILURE. LOGIC RESULT(11) IS (Y) MONITORING IS EFFECTIVE. DISPOSITION(B). SCHEDULED MAINTENANCE IS ACCEPTABLE.

RCM REDESIGN/NARRATIVE:
NOT APPLICABLE.

RCM AGE EXPLORATION NARRATIVE:
NOT APPLICABLE.

FIGURE 44. LSA-050 summary.

LSA-050 REQUESTER: BOB ORENDAS LOGISTIC SUPPORT ANALYSIS RECORD TIME: 0730 DATE: 90/03/01 PAGE: 2
RELIABILITY CENTERED MAINTENANCE SUMMARY
PART II
RCM MANAGEMENT SUMMARY

EIAC	LCN NOMENCLATURE	START LCN	ALC	TYPE	STOP LCN	UOC	SHSC	RPT PT	SELECT DISP
REFRIG-UNT	REFRIGURATION UNIT	00602	00	P	00603	DCY	23	YYY	

LCN	INHERENT AVAILABILITY END ITEM
0	95.000000

MAINTENANCE LEVEL: CREW

LCN	ALC	LCN NOMENCLATURE	AOR	MB	IA	DISPOSITION	ABCDEFGHIJ
00602	00	PISTON ASSEMBLY	7200	H	95.000000		Y

LCN	ALC	TASK CODE	TABLE CA TASK FREQ	CALCULATED TASK FREQ	MAN HOURS	ELAPSED TIME	MAINTENANCE INTERVAL	MB
00602	00	FBCAGAA	45.0000	45.0000	.35(M)	.45(M)	200.0	H

PERSON ID	SSC	SL	MAN-MINUTES
A	76J10	B	0.15
B	36C20	B	0.20

LCN	ALC	SHSC	FEP	MPC	FMI	FAIL MODE RATIO	FAILURE RATE	MB	CONV FACT	FM CRIT/ FAIL PROB
00602	00	2	.60	A	FAAA	1.000	.0006667(P)	H	20050	358.95
		3		B						40.20

LCN	ALC	LCN NOMENCLATURE	AOR	MB	IA	DISPOSITION	ABCDEFGHIJ
0060201	00	PISTON RING	7200	H	96.88000		Y

LCN	ALC	TASK CODE	TABLE CA TASK FREQ	CALCULATED TASK FREQ	MAN HOURS	ELAPSED TIME	MAINTENANCE INTERVAL	MB
0060201	00	DBCAGAA	72.0000	72.0000	.30(P)	.15(P)	100.0	H

PERSON ID	SSC	SL	MAN-MINUTES
A	76J10	B	0.15
C	86C20	B	0.15

LCN	ALC	SHSC	FEP	MPC	FMI	FAIL MODE RATIO	FAILURE RATE	MB	CONV FACT	FM CRIT/ FAIL PROB
0060201	00	3	.70	A	FAAA	0.400	.0005000(M)	H	00001	128.5

SSC	TOTAL MAN-HOURS
76J10	.30
86C20	.15
36C20	.20

FIGURE 44. LSA-050 summary - continued.

LSA-050 REQUESTER: BOB ORENDAS LOGISTIC SUPPORT ANALYSIS RECORD TIME: 0730 DATE: 90/03/01 PAGE: 3

RELIABILITY CENTERED MAINTENANCE SUMMARY
PART III
FAILURE MODES WITHOUT RCM ANALYSIS

EIAC	LCN NOMENCLATURE	START LCN	ALC	TYPE	STOP LCN	UOC	SHSC SEL	RPT PT
REFRIG-UNT	REFRIGERATION UNIT	0	00	P	00602	DCY	3	YYY

SHSC	MPC	FMI	LCN	ALC	LCN NOMENCLATURE	FM CRIT/FAIL PROB
3	A	FAAA	00201	00		21.25
3	B	FAAB				21.25

FIGURE 44. LSA-050 summary - continued.

LSA-056 REQUESTER: BOB ORENDAS LOGISTIC SUPPORT ANALYSIS RECORD TIME: 0730 DATE: 90/03/01 PAGE: 1 FAILURE
MODE, EFFECTS AND CRITICALITY ANALYSIS (FMECA) REPORT
PART I (FMECA) WORKSHEET SUMMARY

EIAC	LCN NOMENCLATURE	START LCN	ALC	TYPE	STOP LCN	UOC	SERV DES	RPT PR	SHSC
REFRIG-UNT	REFRIGURATION UNIT	0	00	F		DCY	NAVY	YYY	1234

---- FAILURE MODE, EFFECTS AND CRITICALITY ANALYSIS ----

LCN	ALC	LCN-TYPE	LCN NOMENCLATURE	FAILURE RATE	FR MB	RAM I C	FAIL RATE SOURCE
0	00	F	REFRIGERATION UNIT	0.002346100(M)	0	P	GIDEP

DRAWING NUMBER 1451-109832 REFERENCE NUMBER CAGE

ITEM FUNCTION:

PROVIDES REFRIGERATED AIR FOR AN ENCLOSED SPACE, MAINTAINING A TEMPERATURE BETWEEN 0 AND 50 DEGREES F (-18 AND 10 DEGREES C).

CRIT MPC	CRIT SHSC	TABLE BK ITEM CRIT NO	CALCULATED ITEM CRIT NO	CRIT MPC	CRIT SHSC	TABLE BK ITEM CRIT NO	CALCUALTED ITEM CRIT NO	CRIT MPC	CRIT SHSC	TABLE BK ITEM CRIT NO	CALCULATED ITEM CRIT NO
A	2	844.0934910	844.0934910	B	2	299.1277500	299.1277500	B	3	160.1213250	160.1213250

MINIMUM EQUIPMENT LIST NARRATIVE:

NOT APPLICABLE.

LOG CON CD LOGISTICS CONSIDERATIONS/SYSTEM REDESIGN:

B RECOMMEND REDESIGN OF REFIGERATION UNIT IN ORDER TO IMPROVE ACCESSIBILITY TO COMPRESSOR ASSEMBLY.

FMI	FM-RATIO	EFM-MTBF	MB
FAAA	0.182	2341.975222	0

1. FAILURE MODE:

   POOR PERFORMANCE.

2. FAILURE CAUSE:

   DUE TO INSUFFICENT COOLING.

3. FAILURE EFFECTS: LOCAL: INSUFFICENT COOLING.

   NEXT HIGHER: MISSION DEGRADATION.

   END EFFECT: MISSION DEGRADATION.

4. FAILURE DETECTION METHOD:

   OBSERVANCE OF OPERATIONAL CHARACTERISTICS - HUMAN DETECTION.

FIGURE 45. LSA-056 summary.

FAILURE MODE, EFFECTS AND CRITICALITY ANALYSIS (FMECA) REPORT

5. FAILURE PREDICTABILITY:

NOT APPLICABLE.

6. REMARKS:

NOT APPLICABLE

CORRECTIVE MAINTENANCE TASKS FOR LCN 0 , ALC 00 , FMI FAAA:

TASK-LCN	TASK-ALC	TASK CODE	TASK-LCN	TASK-ALC	TASK CODE
0	00	NGFNAAA	0	00	JGFNAAA

FMI	MPC	SHSC	FAIL PROB LVL	F-E PROB	OPER TIME	OT MB	TABLE BI FM CRIT NO	CALCULATED FM CRIT NO
FAAA	A	2	B	0.83	0001.00	0	354.4018660	354.4018660

1. MISSION PHASE/OPERATIONAL MODE:

FAILURE OCCURS DURING SYSTEM COOLING PHASE.

2. COMPENSATING DESIGN PROVISIONS:

NONE.

3. COMPENSATING OPERATOR ACTION PROVISIONS:

OPERATOR PROCEDURES MONITORING UNIT PERFORMANCE AND ROOM TEMPERATURE.

4. SYSTEM REDESIGN:

NONE.

FMI	MPC	SHSC	FAIL PROB LVL	F-E PROB	OPER TIME	OT MB	TABLE BI FM CRIT NO	CALCULATED FM CRIT NO
FAAA	B	3	C	0.75	0000.50	0	160.1213250	160.1213250

1. MISSION PHASE/OPERATIONAL MODE:

FAILURE OCCURS DURING SYSTEM START-UP PHASE.

2. COMPENSATING DESIGN PROVISIONS:

NONE.

3. COMPENSATING OPERATOR ACTION PROVISIONS:

NONE.

4. SYSTEM REDESIGN:

NONE.

FIGURE 45. LSA-056 summary - continued.

LSA-058 REQUESTER: BOB ORENDAS LOGISTIC SUPPORT ANALYSIS RECORD TIME: 0730 DATE: 90/03/01 PAGE: 1

RELIABILITY AND MAINTAINABILITY ANALYSIS

PART I RELIABILITY SUMMARY - REDESIGN

EIAC	LCN NOMENCLATURE	START LCN	ALC	TYPE	STOP LCN	UOC	RPT PT	SELECTION
REFRIG-UNT	WIRE HARNESS ASSY	002	00	P	002	DCY	YY	YYYY

RAM LCN	ALC	FMI	LCN NOMENCLATURE	REFERENCE NUMBER	CAGE	MPC	SHSC	FM CRIT NO/ FAIL PROB LVL
002	00	FAAA	WIRE HARNESS ASSY	BR549-0076666TG	94833	A	3	599.96
						B	2	78.00

FAILURE/DAMAGE MODE:

WIRE HARNESS ASSEMBLY FAILURE.

FAILURE CAUSE:

DEGRADED CONDITION OF THE WIRES.

SYSTEM REDESIGN:

RAM LCN	ALC	FMI	LCN NOMENCLATURE	REFERENCE NUMBER	CAGE	MPC	SHSC	FM CRIT NO/ FAIL PROB LVL
002	00	FAAB	WIRE HARNESS ASSY	BR549-0076666TG	94833	A	3	67.0
						B	3	123.0

FAILURE/DAMAGE MODE:

WIRE HARNESS ASSEMBLY CRACKS.

FAILURE CAUSE:

ENVIRONMENTAL CONDITIONS LEAD TO THE CRACKING OF THE PLASTIC COVER WHICH CAUSED THE METAL WIRE TO RUST

SYSTEM REDESIGN:

COAT WITH AN ENVIRONMENTAL RESISTANT PLASTIC.

LOGISTICS CONSIDERATIONS:

STANDARDIZATION	Y	ACCESSABILITY	Y	MAINTENANCE EASE	Y	SAFETY	Y	TEST POINTS	Z	SKILLS	Y	TRAINING	Y
CONN REMOVAL	Z	PKG AND TRANSP	Y	FAULT LOCATION	Y	LABELING	Z	DAMAGE PROTECT	Y	CORR AND RUST CONT	Y		

LOG CON CD

B

RAM LOGISTICS CONSIDERATIONS NARRATIVE:

RECOMMEND REDESIGN OF REFRIGERATION UNIT IN ORDER TO IMPROVE ACCESSIBILITY TO COMPRESSOR ASSEMBLY

FIGURE 46. LSA-058 summary - continued.

LSA-058 REQUESTER: BOB ORENDAS LOGISTIC SUPPORT ANALYSIS RECORD TIME: 0730 DATE: 90/03/01 PAGE: 2
RELIABILITY AND MAINTAINABILITY ANALYSIS
PART II MAINTAINABILITY SUMMARY - LEVEL OF REPAIR

EIAC	LCN NOMENCLATURE	START LCN	ALC	TYPE	STOP LCN	UOC	RPT PR
REFRIG-UNT	WIRE HARNESS ASSY	002		P	002	DCY	YY

LCN	ALC	M/L	FMI	MPC	SHSC	TM FGC	TASK LCN	TASK ALC	TASK CODE	ELAPSED TIME	FM CRIT NUMBER
006	00	O	FAAA	A	3	06	006	00	HGOXAAA	1.67(P)	8.30
			FAAA	B	3	06	006	00	NGOAAAA	.78(M)	8.30
			FAAB	A	2	06	006	00	HGOXAAA	1.67(P)	110.34
			FAAB	B	2	06	006	00	NGOAAAA	.78(M)	110.34
			FAAB	B	2	06	00607	00	HGOAGAA	.98(M)	110.34
			FAAB	B	2	06	00607	00	HGOAGAA	.98(M)	110.34
			FAAC	B	3	06	006	00	NGOAAAA	.78(M)	
			FAAC	A	3	06	00607	00	DGOAAAA	.50(M)	
		F	FAAA	A	3	06	006	00	BGFAGAA	.77(M)	8.30
			FAAB	A	2	06	006	00	BGFAGAA	.77(M)	110.34
			FAAB	A	2	06	00614	00	HGFAGAA	1.03(M)	110.34

LCN	ALC	M/L	FMI	MPC	SHSC	TM FGC	TASK LCN	TASK ALC	TASK CODE	ELAPSED TIME	FM CRIT NUMBER
00602	00	O	FAAA	A	3	00602	006	00	NGOAAAA	.78(M)	107.34
		F	FAAA	A	3	00602	00602	00	GGFAGAA	.59(M)	107.34
			FAAA	B	3	00602	00602	00	RGFAGAA	.59(M)	107.34
			FAAA	A	3	00602	0060201	00	GGFAFAA	.92(M)	107.34
			FAAA	B	3	00602	0060201	00	JGFXGAA	1.00(M)	107.34
			FAAA	B	3	00602	0060201	00	RGFAGAA	1.08(M)	107.34

FIGURE 46. LSA-058 summary - continued.

LSA-074 REQUESTER: BOB ORENDAS LOGISTIC SUPPORT ANALYSIS RECORD TIME: 10:20 DATE: 90/03/07 PAGE: 04

SUPPORT EQUIPMENT TOOL LIST

PART IV - PECULIAR TOOLS REQUIRING DEVELOPMENT

REFERENCE NUMBER	CAGE	ITEM NAME	ACQ DEC OFFICE	SERD NUMBER	SIASCN	SKETCH	MAINT LEVEL	ICC
AT503	44940	WRENCH, ADJUSTABLE		6014123456	MAR-023	N	F	8
A26	44940	WRENCH, SOCET	USAAMCCOM	6017123456	MAR-005	Y		8
B2502	44940	SET, SOCKET	USATROSCOM	6009123456	NR123XX	Y	F H	8
CC586T3692	44940	DITMCO STATION	USATROSCOM	6004123456	N3987XX	N	O	8
FC1036921	44940	BRUSH, WIRE	USATROSCOM	6013123456	N238/2X	Y	H	8
FW25	44940	WRENCH, FILTER	USACECOM	6002123456	G-CE5/7	N		8

FIGURE 51. LSA-074 summary - continued.

LSA-075 REQUESTER: BOB GRENDAS LOGISTIC SUPPORT ANALYSIS RECORD TIME: 10:20 DATE: 90/03/07 PAGE: 01

MANPOWER PERSONNEL AND TRAINING REPORT

EIAC	LCN NOMENCLATURE	START LCN	ALC	LCN TYPE	STOP LCN	UOC	SERV DES	MAINT LVLS	SSC	AVAILABLE M-H PEACE/WAR
REFRIG UNT	REFRIGERATION UNIT	0		P		DCY	ARMY			

LCN 0 ALC LCN NOMENCLATURE REFRIGERATION UNIT

PART I - MANPOWER AND PERSONNEL SUMMARY

SSC	MAINTENANCE LEVEL	AVAIL M-H	ACTUAL M-H	AVAIL QTY	ACTUAL QTY
35B20	OPER/CREW (C)	100.00	.00	2	0
	ORG/ON EQP (O)	600.00	668.90	1	1
35B30	ORG/ON EQP (O)	1400.00	1328.90	2	2
	INT/DS/AVIM (F)	100.00	25.29	1	1
44B10	INT/DS/AVIM (F)		13.50	0	1
44E10	INT/DS/AVIM (F)	0.00	6.60	0	1
52C10	ORG/ON EQP (O)	25.00	24.57	1	1
	INT/DS/AVIM (F)		15.00	0	1
52C20	ORG/ON EQP (O)	600.00	624.30	1	1
	INT/DS/AVIM (F)	1200.00	1219.20	2	2
76J10	OPER/CREW (C)	50.00	54.49	1	1

FIGURE 52. LSA-075 summary.

LSA-151 REQUESTER: MS. SCHMIDT LOGISTIC SUPPORT ANALYSIS RECORD TIME: 14:20 DATE: 90/03/01 PAGE: 1

PROVISIONING PARTS LIST INDEX

EIAC	ITEM NAME	START LCN	ALC	TYPE	STOP LCN	UOC	PCCN	SEQ	PTD-SEL
REFRIG-UNT	REFRIGERATION UNIT	0	00	P		DCY	A90B10	REF-NO	ALL

CAGE	REFERENCE NUMBER	PCCN	PLISN	TO C	LCN	ALC	I C	ITEM NAME	QPA	QPEI	UM	SMR	PEC	PLT	NEXT HIGHER ASSEMBLY CAGE	NEXT HIGHER ASSEMBLY REFERENCE NUMBER
10855	MS18802.35	A90B10	AALD		00201AA	01	D	SCREW, CAP, HEXAGON	10	26	EA	PAOZZ	3	02	44940	12190.69F
10855	MS18802.35	A90B10	ACLN		0071801AV	00	E	SCREW, CAP, HEXAGON	6	REF	EA	PAOZZ	3	02	32145	112-16897/E21N1 -34-G
10855	MS18802.35	A90B10	AQLR		00912010204AN	00	G	SCREW, CAP, HEXAGON	5	REF	EA	PAOZZ	3	02	44940	119-19875
10855	MS27183-123	A90B10	AAQN		0020501AF	00	E	WASHER, FLAT	8	37	EA	PAOZZ	3	02	44940	13191.98C
10855	MS27183-123	A90B10	ABYW		003021901AC	00	F	WASHER, FLAT	11	REF	EA	PAOZZ	3	02	11215	8N34.19
31246	EN0748EAA3412378 12-23N	A90B10	AALV		00205AQ	00	D	VALVE, SERVICE	1	1	EA	PAOZZ	3	04	44940	1819198-32
44282	123123123	A90B10	ALNE		0040108AW	00	E	CAP, TUBE	1	1	EA	PAOZZ	3	02	44940	1198-142

FIGURE 59. LSA-151 summary.

LSA-152 REQUESTER: BOB ORENDAS LOGISTIC SUPPORT ANALYSIS RECORD TIME: 10:20 DATE: 90/03/07 PAGE: 01

PLISN ASSIGNMENT/REASSIGNMENT

EIAC	START LCN	STOP LCN	PCCN	LCN STRUCTURE	PTD SELECT	STATUS	I/O	SEQ METHOD	NHA PLISN IND CODE	PLISN TYPE
REFRIG UNT	0		AUTOPL	122221			P		X	A

START PLISN	PLISN GAP	MODEL PLISN RESV	MODEL PLISN	LCN-IC REASSIGNMENT
	0000	X	AAAE	

NEW RECORD DATA ON PARTS MASTER FILE — OLD RECORD DATA ON PARTS MASTER FILE

REFERENCE NUMBER	CAGE	LCN	ALC	PLISN	IND CD	NHA PLISN	PRIOR ITEM PLISN	PCCN	PLISN	IND CD	NHA PLISN	SAME AS PLISN	PRIOR ITEM PLISN	LCN IC	S I C
F100000GR-2	64643	0	00	AAAE	A		AAAA	AAAA01	AAAA	A					
F10000R-6	11599	0	01	AAAF	A		AAAB	AAAA01	AAAB	A					
8742SPRTEQGRP12345	64643	00S	00	AAAJ	B	AAAE									Y
74369	81343	001	00	AAAK	B	AAAE	AAAJ	AAAA01	AAAJ	B					
74817	11599	00101	00	AAAL	C	AAAK	AAAK	AAAA01	AAAK	C					
74643	11599	00101	01	AAAM	C	AAAK	AACZ	AAAA01	AACZ	C					
74639-1	11599	00102	00	AAAN	C	AAAK	AAAL	AAAA01	AAAL	C					
74640-2	11599	00102AA	00	AAAP	D	AAAN	AAAM	AAAA01	AAAM	D					
AD44BS	64643	00104	00	AAAQ	C	AAAK	AAAP	AAAA01	AAAP	C					
MS35489-123-1248934	81343	00106	01	AAAR	C	AAAK	AACO	AAAA01	AACO	C					
53580-10-12	64643	00108	00	AAAS	C	AAAK	AAAR	AAAA01	AAAR	C					

FIGURE 60. LSA-152 summary.

APPENDIX D

APPLICATION AND TAILORING GUIDANCE FOR THE LOGISTIC SUPPORT ANALYSIS (LSA) RECORD (LSAR)

10. GENERAL.

10.1 Purpose. The LSA process associated with a materiel acquisition program is iterative in nature. The LSAR provides a structured, standardized, yet flexible approach to the documentation and use of the data required to effectively accomplish contractually invoked LSA tasks. To be effective, LSA documentation must be initiated early in the acquisition life cycle, must be updated to reflect changes in the hardware design and support concept, and must be tailored to be commensurate with individual program requirements, constraints, and characteristics. The LSAR data is generated as a result of the performance of LSA tasks. Tailoring of both the LSA tasks to be performed, and the resultant LSAR data produced as a part of LSA task documentation, is mandatory. Limitations on system development funding make it imperative that LSA be applied judiciously to improve hardware design and support concepts, not merely to collect LSAR data. This appendix provides guidance for appropriate application of the LSAR during each phase of a system's life cycle and the procedures for tailoring of the LSAR data records, elements, and standard reports to satisfy program requirements at minimum cost . This appendix does not contain any requirements and is not to be implemented in contractual documents. The user of this appendix may be a Department of Defense contracting activity, government in-house activity, prime contractor, or subcontractor wishing to impose LSAR requirements.

10.2 How to Use this appendix. Tailoring of the LSAR requirement begins with the identification of the life cycle phase of the system/equipment acquisition effort. Paragraph 20 of this appendix addresses the applicability of the LSAR for each of the life cycle phases. Figure 69 depicts general applicability of the LSAR data tables to the system/hardware breakdown. Once the life cycle phase has been established, tailoring of the LSAR requirement can be performed. Paragraph 30 provides a stepwise procedure for tailoring the LSAR, based upon MIL-STD-1388-1 tasks and subtasks, related engineering and Integrated Logistic Support (ILS) element analysis efforts which result in LSAR data, and deliverable logistic products specified by data item descriptions (DID) to be included in the contract. The result of this tailoring process is a completed DD Form 1949-3, LSAR data requirements form, identifying the LSAR data table and data element requirements for the specific phase of the acquisition effort (see figure 71). Guidance for determining LSAR completion schedules is contained in paragraph 40. The final step in tailoring the LSAR effort involves contractual delivery of the LSAR data itself. Paragraph 50 discusses alternatives for delivery of the LSAR data.

20. LSAR APPLICATION AND USE BY LIFE CYCLE PHASE.

20.1 LSA process. The LSA process is applicable to all phases of the life cycle and all types of acquisition efforts. Tailoring of the LSA tasks, and additionally, tailoring of the LSAR documentation requirements are dependent upon the life cycle phase, type of acquisition, and degree of program control desired. In relation to the acquisition life cycle, the LSA process can be divided into two basic categories: (a) LSA encompassing laboratory research

and development (R&D), preconceptual and conceptual studies, and development of conceptual designs; and, (b) LSA for Design Development (DD) to include late R&D and the demonstration/validation through deployment phases. Both categories of LSA have as a primary objective:

a. Influence of design concepts and hardware design to reduce operating and support costs and increase readiness and sustainability.

b. Identification of support resource requirements progressively and concurrently with the hardware design.

20.2 Concept exploration and definition (CE) Phase. LSA is initiated in the earliest studies and design efforts and continued during all phases of the materiel development and acquisition program. Initially, the LSA is primarily directed toward establishing support related factors and constraints, which must be used in developing design guidelines and trade study plans. Initial LSA is also directed toward identifying targets of improvement; of objectives or goals for reliability, availability, maintainability, and life cycle cost (LCC); potential logistics problems, constraints and risks; and, the projection of logistics resource requirements and costs. During this effort, the LSA program continually interfaces with other system engineering programs through historical data reviews, tradeoff analyses, use studies, design projections, and other LSA tasks to arrive at the most cost-effective materiel design concept(s) and acquisition plan(s) for further examination, study, and development. In fact, LSA task 301 accomplishment produces a task inventory that can be used by all engineering specialties. The results of the LSA effort are embodied in the program documents and supplemental technical reports. These are required in the materiel acquisition decision process prior to entry into the demonstration and validation phase. The limited volume of LSAR data is usually produced by the requiring authority to define and document system level requirements. Figure 70 suggests the LSAR data which might be generated at this time. However, tailoring LSAR data requirements is mandatory, and not all of these elements may be required to support LSA objectives.

20.3 Demonstration and validation (DVAL) phase. For most development programs, the second category of the LSA effort begins with this phase. The data elements completed within each table are dependent upon the analysis tasks specified and the DIDs placed on contract (these aspects are covered in paragraph 30 of this appendix). Because of the LSA efforts in the earlier phase, the requiring authority is more aware of system requirements and possible shortfalls and can better monitor subsequent performing activity system development. With this awareness of the system, the requiring authority can require the performing activity to justify any deviations or changes in the original concept. To more fully utilize the LSAR documentation previously developed, contracts should specify that repair and support requirements be documented for all maintenance levels down to major subsystems. This data can be used to verify data derived for lower assemblies/parts, and conversely, for the system and major subsystems.

20.3.1 During the DVAL phase, the LSA is directed toward: (a) influencing the materiel design by refining and updating support related design. guidelines, and by challenging design characteristics which impose unnecessary or costly support requirements; and, (b) updating and refining logistics support planning data developed during the preconcert and concept phase. LSA

documentation during this phase should provide the data to help further define support concepts, cost estimates, potential logistics problem areas, technological advances, or additional design improvements and test requirements.

20.4 Engineering and manufacturing deployment phase. During this phase, the LSAR effort is a continuation of the effort conducted during the DVAL phase. The LSAR data tables are completed to the hardware indenture level identified on figure 69, and the resulting data is used to develop logistics support requirements for testing, deployment, and operation.

20.5 Production and deployment phase. The LSAR data established during the development phases is retained during this phase to support the logistics analyses that occur as a result of engineering design changes. In addition, the data is used to evaluate the system's performance after it is deployed to determine the impact of future equipment modifications or support requirements. The LSAR data would be used to establish design changes, goals, and requirements for succeeding generations of matetiel acquisitions.

30. TAILORING LSAR REQUIREMENTS. The extent, and consequently the cost, of LSAR inputs and outputs required to document and support the analyses of LSA tasks will vary from program to program. These variations are attributable to such factors as: the degree of LSA program visibility and control desired by the requiring authority; life cycle phase; hardware complexity; and, the specific acquisition program characteristics (e.g. , new development, major modification, nondevelopmental). In addition, the data requirements identified in this standard have been designed to accommodate the documentation and data manipulation to support Army, Air Force, Navy, and Marine Corps requirements. Each service has expressed requirements for unique capabilities not generally applicable to the other services. For the above reasons, the blanket purchase of the LSAR data elements and reports is an ineffective and costly approach to the utilization of the LSAR. To realize maximum benefit from the application of the LSAR, it is imperative that extreme care be exercised in the contractual imposition of the LSAR requirements is not only concerned with the exclusion of unnecessary data requirements, but also, and just as important, with the identification of all requirements which will eventually be needed to support a specific LSA program effort. Failure to adequately identify data requirements can be just as costly as the over purchase of data. To that end, each functional and engineering specialty area must play in the tailoring of the LSAR, including manpower and human factors engineering personnel. The guidance contained in the following sections of this appendix have been arranged in a logical, stepwise sequence to assist in the optimum selection of LSAR features.

30.1 LSA task selection. The initial step in tailoring of the LSA data requirements involves selection of the analyses tasks described in MIL-STD-1388-1, which are to be accomplished. Detailed guidance for task and subtask selection, with respect to acquisition program characteristics, program phase, and information requirements associated with primary system developmental milestones, is provided in appendix A of MIL-STD-1388-1. Selection of some LSA tasks will result in data which is documented directly into the LSAR. Output from other tasks becomes the input to follow-on analyses, and as such, relates only indirectly *to* the LSAR documentation. Table 11 provides a list of the LSA tasks and subtasks which relate directly to the LSAR data tables. A review of each data table is mandatory to ensure

that only those data elements required to document the tasks are procured. Once established, the specific data elements required to document the tasks should be recorded on DD Form 1949-3 (see figure 71).

30.2 Interfacing and coordination with other program elements. Data required to conduct an effective LSA program may also be developed as a result of analyses conducted in support of associated program elements such as:

a. System/equipment design program

b. System/equipment reliability program

c. System/equipment maintainability program

d. Human engineering program

e. Standardization program

f. Parts control program

g. System safety program

h. Packaging, handling, storage, and transportability program

i. Initial provisioning program

j. System/equipment testability program

k. Survivability program

l. Technical publications program

m. Training and training equipment program

n. Facilities program

o. Support equipment program

p. Test and evaluation program

q. LCC program

It is essential that coordination and interfacing of engineering disciplines and ILS functional elements be affected to maximize the usage of data developed by each program element, thereby, realizing analysis economics and avoiding the generation of incompatible ILS products. Effective coordination with related program elements can produce benefits by eliminating costly duplications of effort.

30.2.1 Identification of the engineering and ILS functional element requirements which interface with the LSA process, and which generate LSAR data, is the next consideration in the tailoring process. Results of analyses from other program elements can be used as source data for LSA tasks and vice versa. For example, inputs from the design, reliability, maintainability, human engineering, safety, and other program elements may be required to

satisfy the requirements of task 401, Task Analysis, as described in MIL-STD-1388-1. Benefits of effective interfacing and coordination may also be achieved by utilizing the features of the LSAR to record, store, and manipulate data in support of requirements levied by other program elements. As an example, the LSAR data tables can be used to produce the LSA-018, Task Inventory report. This report is used and reviewed by human systems integration specialists, as well as the LSA program.

30,2.2 Once the related program elements have been established, the next step in the tailoring process is the identification of the logistics DIDs associated with each element of ILS that will be placed on contract. A detailed review of the DIDs is required to determine the specific data element requirements of each. Table III provides a listing of the commonly cited DID's associated with each element of ILS that can be satisfied by the LSAR data. This listing is not intended to be inclusive of all logistic related DIDs and the user is encouraged to apply the same logic in table III to other DID's not listed which may be partially satisfied using the LSAR. The, objectives and use of each DID are summarized in table III, along wit-h a description of the extent of interface with the LSAR data tables and LSAR reports. The user of this appendix should use table III to determine the extent to which the LSAR data can be used to satisfy the logistics DIDs that will be placed on contract. If LSAR reports can be used to satisfy a DID, then the specific LSAR data elements can be established by using appendix B, figure 14, LSAR Input to Report Matrix. This matrix identifies all of the LSAR reports and the input data elements required to generate each (e.g., DI-ILSS-81140A, Maintenance Allocation Chart (MAC), can be satisfied by using the LSA-004 report). Finding this report across the top of figure 14 and then reading down the column will provide the user with the specific data elements and LSAR data tables required to produce the report. This process would be repeated for each DID identified. This information would then be input on DD Form 1949-3, in order to establish the total LSAR data requirements from both an analysis and a logistics data product standpoint.

40. SCHEDULING OF THE LSAR DATA. This paragraph addresses scheduling the development of the LSAR data, so that it can be used in a timely manner as source data for the development of the contractually cited logistics products discussed in paragraph 30. This guidance is applicable to any type of development effort and any phase of the life cycle. To establish timely completion of the LSAR data, the user must first establish the scheduled completion dates for the data products that utilize LSAR data. Required delivery dates for the products specified by DIDs should be established in conjunction with preparation of the solicitation package, and should take into account the significant milestones of the development effort.

40.1 Once the scheduled completion dates for all chosen DIDs have been established, the user can determine the required completion scheduled for the LSAR. Figure 14 provides a cross-reference list of the LSAR data elements and the reports that use the data elements on a given data table for product development. Since the table is sequenced by data table, the completion date of each data table can be established by listing the delivery dates on the DIDs and then choosing the earliest date as the scheduled completion date for that LSAR data table. This approach must be tempered by the range of data elements on a data table that are required as source data for development of a DID product. For example., the scheduled delivery date for DI-ILSS-81285, Long Lead Time Items List, may be 120 days after contract award, while the delivery

date of DI-ILS-81285, Provisioning Parts List, is 24 months after contract award. This does not mean that all data tables related to support item identification and application are to be completed 120 days after contract award, but rather, specific data elements for parts with certain production lead times would be completed on data tables of support items to satisfy DI-ILSS-81285, Long Lead Times Item List.

40.2 Completion dates for the LSAR reports can be established by using the required delivery dates of the DIDs that use the given report for product development. Additionally, the scheduled completion date for the LSAR data tables, to include the specific data elements required to produce an LSAR report, can be established by using figure 14. For example, if DI-ILSS-81140A, MAC, had a required delivery date of 18 months after award of contract, then the LSAR output report, LSA-004, must be available at that point for product development. Additionally, by using figure 14, it can be established that specific data elements on the listed data tables must be completed for product development of DI-ILSS-81140A (and report LSA-004).

40.3 This approach to scheduling completion of the LSAR data must take into account interim product delivery dates, final product delivery dates, and scheduled updates to final products, Each of these dates will impact the range of LSAR data required, depth of data required (i.e., the hardware indenture levels and maintenance levels specified), and the number of updates to the LSAR data required. The LSAR completion schedule must then be coordinated with related program schedules (i.e. , drawing release) to ensure availability of data for LSAR development. Finally, by establishing an LSAR completion schedule which is timely for DID product development, the user now has the additional option of not requiring delivery of LSAR data as a separate data item. In effect, completion of a deliverable product is intimately tied to the LSAR data and quality.

50. ALTERNATIVES FOR DATA DELIVERY. The last step in the LSAR data tailoring process involves delivery of the LSAR data itself. LSAR data can be delivered in q anual form, LSAR reports, LSAR data table files, or through interactive access to a contractor LSA database. The use of a manual LSAR data file is generally applicable to simple hardware systems, limited report requirements, infrequent use of the data, and uncomplicated reports. Implementation of an automated LSAR is generally applicable to a complex hardware system, multiple and varied applications, ability to produce tailored reports, on demand use with short response time, and the ability to manipulate the LSAR data for specialized reports.

50.1 An automated LSAR presents the additional decision option of who will be made responsible for Automated Data Processing (ADP) of the LSAR data. Normally, the performing activity would be responsible for data processing, using a validated independently developed LSAR software system. The alternative to this is to use the in-house ADP capabilities of the requiring authority, thus requiring only a data entry effort by the performing activity. Once the decision is made who will be responsible for automated processing of LSAR data, the media for delivery can be established.

50.2 Delivery of the LSAR reports contained in appendix B is one option for delivery of data in an automated LSAR environment. The LSAR reports are intended to satisfy the delivery requirements of specific logistics products (e.g., MAC, Maintenance Plan, Support Equipment Recommendation Data, etc.).

As such, the LSAR reports are static presentations of LSAR data and cannot be updated or processed further after delivery. They offer the least flexibility for LSAR data use from an automated standpoint. Requiring LSAR reports as deliverables is appropriate for final product delivery, or when no further processing capability is available or necessary.

50.3 Delivery of the LSAR relational tables via magnetic tape/disc/drum is another option for delivery of data in an automated environment. This option also includes the delivery of LSAR data files that require processing from the LSAR relational tables (such as input files for provisioning, Defense Logistics Information Systems screening, or packaging system data). An internal processing capability is required for each LSAR data file procured by the requiring authority. Delivery of the LSAR relational tables provides the capability to subsequently produce any of the LSAR reports, other data files, and to produce ad hoc reports via the query capability of a validated LSAR Relational ADP system. Separate delivery of the LSAR data files places the responsibility for their generation with the performing activity rather than the requiring authority. Because of the flexibility provided by these processable data files, they can be used to satisfy both interim and final LSAR delivery requirements. Periodic delivery can reduce time spent for onsite data reviews by providing a vehicle for advanced review of the data. Final contract deliverables can be consolidated and reduced by internal processing of LSAR data files, in-part or in total. In addition, validated LSAR systems are required to have the capability to produce and load standard outputs not only for all data tables, but also standard outputs for “change only” data (changes to the data tables since the previous submittal of the LSAR data).

50.4 The third LSAR deliverables option is interactive access to a performing activity’s LSA database by using a validated LSAR Relational software system. Interactive access includes the ability to selectively retrieve, review and print, and process performing activity LSA source data. Interactive access for faster requiring authority review of LSAR information represents more of a performing activity service capability than a specific deliverable requirement. This capability makes the most current authorized data available to the requiring authority and eliminates the time required for preparation and submission of deliverable products. It can also significantly reduce the time requirement for onsite reviews, while supporting internal analyses and planning that requires up-to-date supportability information. Interactive access provides the greatest flexibility for using LSAR data, either by utilizing the performing activity’s automated LSAR capabilities, or by electronically transferring the data for further internal processing. Since interactive access can support interim and final delivery of both LSAR reports and data files, it may entirely eliminate the need to bring the LSAR data in-house. (However, it is advisable to have the LSAR relational table files delivered at contract completion.) The interactive access service can be very effective for satisfying LSAR deliverable requirements during the early life cycle phases when the volume of LSAR data is low. In latter phases, interactive access may be more appropriate as a contract compliance, “change only” data review, and internal analysis tool rather than for bulk transfers of complete LSAR master or data files.

LSAR DATA TABLES	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	CA
SYSTEM	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
SUBSYSTEM	B	B	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	B	A
REPAIRABLE ITEM	N	N	N	N	N	N	N	N	B	N	N	A	A	A	A	A	A	A	A	A	A	A	N	A
PART	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SUPPORT EQUIPMENT	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
LSAR DATA TABLES	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	EA	EB	EC	ED	EE	EF	EG	EH	EI	EJ	EK	EL	EM	UA
SYSTEM	A	A	A	A	A	A	A	A	B	B	N	N	N	N	N	N	N	N	N	N	N	N	N	B
SUBSYSTEM	A	A	A	A	A	A	A	A	B	B	N	N	N	N	N	N	N	N	N	N	N	N	N	B
REPAIRABLE ITEM	A	A	A	A	A	A	A	A	B	B	N	N	N	N	N	N	N	N	N	N	N	N	N	B
PART	N	N	N	N	N	N	N	A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SUPPORT EQUIPMENT	N	N	N	N	N	N	N	N	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A
LSAR DATA TABLES	UB	UC	UD	UE	UF	UG	UH	UI	UJ	UK	UL	UM	UN	FA	FB	FC	FD	FE	GA	GB	GC	GD	GE	HA
SYSTEM	B	B	B	B	B	B	B	B	B	B	B	N	N	A	A	A	A	A	A	A	A	A	A	A
SUBSYSTEM	B	B	B	B	B	B	B	B	B	B	B	N	N	A	A	A	A	A	A	A	A	A	A	A
REPAIRABLE ITEM	B	B	B	B	B	B	B	B	B	B	B	N	N	B	B	B	B	B	A	A	A	A	A	A
PART	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	A
SUPPORT EQUIPMENT	A	A	A	A	A	A	A	A	A	A	A	A	A	N	N	N	N	N	N	N	N	N	N	A

FIGURE 69. **LSAR data table utilization by hardware breakdown.**

LSAR DATA TABLES	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN	HO	HP	HQ	HR	JA	JB	JC	JD	JE	JF	XA
SYSTEM	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
SUBSYSTEM	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	B	B	B	A
REPAIRABLE ITEM	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	N	N	N	N	N	N	A
PART	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	N	N	N	N	N	N	A
SUPPORT EQUIPMENT	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	N	N	N	B	N	N	N

LSAR DATA TABLES	XB	XC	XD	XE	XF	XG	XH	XI
SYSTEM	A	A	A	A	A	A	A	A
SUBSYSTEM	A	N	N	A	A	A	A	A
REPAIRABLE ITEM	A	N	N	A	A	A	A	A
PART	A	N	N	A	A	A	A	A
SUPPORT EQUIPMENT	N	N	N	N	N	N	N	N

LEGEND

A - Generally applicable
B - Dependent upon program requirements
N - Generally not applicable

FIGURE 69. **LSAR data table utilization by hardware breakdown - continued.**

DATA TABLE	DED	DATA ELEMENT
AA	001	Achieved Availability
	064	Crew Size
	164	Inherent Availability
	222	Maximum Time To Repair
	223	Operational Mean Active Maintenance Downtime
	236	Operational Mean Time To Repair
	454	Total Systems Supported
AB	021	Annual Number of Missions
	022	Annual Operating Days
	024	Annual Operating Time
	228	Mean Mission Duration
	273	Operational Availability
BB	180	Item Function
	207	Maintenance Concept
	315	Qualitative and Quantitative Maintainability Requirements
CA	427	Task Code
	430	Task Frequency
	431	Task Identification
	358	Facility Requirement Code
	358	Tool/Support Equipment Requirement Code
	358	Training Equipment Requirement Code
EE	078	Description and Function of Support Equipment
	188	Justification
FA	118	Facility Name
FC	107	Facilities Maintenance Requirement
GC	007	New or Modified Skill Additional Requirements
	012	Additional Training Requirements
	094	Educational Qualifications
	188	Skill Justification

FIGURE 70. Concept exploration and definition phase LSAR.

TABLE II. LSAR Data Tables Related to MIL-STD-1388-1 Tasks.

MIL-STD-1388-1 TASK/SUBTASK	APPLICABLE LSAR DATA TABLES
201.2.2	AE, AF, AH, BB, BL
203.2.3	BD, BE, FA, FB, FC
205.2.2	AA, AB, AC, AD, AE, AG, AH, AI, AJ, GA
205.2.3	AA, AB, AC, AD, AE, AG, AH, AI, AJ, GA
205.2.5	AA, AB, AC, AD, AE, AG, AH, AI, AJ, GA
301.2.4	BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, GA, XI
301.2.5	AA, AB, AC, AD, AE, AG, CA, CB, CC, CD, CE, CF, CG, CH, CI, XI
303.2.7	AI, XA, HG
401.2.1	CA, CB, CC, CD, CE, CF, CG, CH, CI, XI
401.2.2	CA, CB, CC, CD, CE, CF, CG, CH, CI, XI
401.2.3	EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, FD, GB, GC, GD, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN
401.2.4	EE, GA, GB, GC, GD
401.2.5	CA, CB, CC, CD, CE, CF, CG, CH, CI, FA, FB, FC, FD, FE, XI
401.2.7	JA, JB, JC, JD, JE, JF
401.2.8	HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, XB, XC, XD, XE, XF, XG
401.2.9	All tables as applicable, except the “A” tables
401.2.10	All tables as applicable
401.2.11	All tables as applicable
401.2.12	HA, HB, HG
501.2.4	All tables as applicable

DATA ITEM DESCRIPTION NUMBER AND TITLE	PURPOSE	LSAR APPLICATION/LSAR INTERFACE
DESIGN INFLUENCE AND INTEGRATION TO INCLUDE LOGISTIC RELATED RELIABILITY AND MAINTAINABILITY		
DI-ILSS-81162A, LSA-050, Reliability Centered Maintenance Summary	This report is used to analyze the impacts of the RCM decisions in order impact design and supportability decisions.	The LSA-050, summary provides all the data to satisfy this DID. This requirement is specified by appendix B, paragraph 30.30.
DI-ILSS-81163A, LSA-056, Failure Modes, Effects and Criticality Analysis (FMECA) Report	This report provides an analysis of independent single item failures and the resulting potential impact on mission success performance, personnel safety, and maintainability. The analysis promotes design corrective actions by identifying potential failure risks in order that appropriate actions may be taken to eliminate or control the high risk items.	The LSAR provides all the FMECA worksheet data necessary to satisfy the requirements of this DID. Additional information such as FMECA assumptions, block diagrams, excluded items list, critical components, etc., may also be required. The LSA-056 summary is the FMECA report specified by appendix B, paragraph 30.31.
MAINTENANCE PLAN		
DI-ILSS-81140A, LSA-004, Maintenance Allocation Chart	The MAC is a management tool which assigns all maintenance functions and repair operations performed by the lowest appropriate maintenance category, and delineates the tools and test equipment requirements required to perform the operations. The MAC is used as appendix B of the Organizational Maintenance manual.	The LSA-004 summary provides all the data requirements of this DID for sections II, III, and IV. Section I is prepared in accordance with MIL-M-63038B(TM). This requirement is specified by appendix B, paragraph 30.3.
DI-ILSS-81183A, LSA-023, Maintenance Plan Summary	This report consists of four parts which may be provided together or individually. Part I contains general information pertaining to the system/	The LSA-023 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix

TABLE III. Data item description (DID) relationships to the LSAR.

DATA ITEM DESCRIPTION NUMBER AND TITLE	PURPOSE	LSAR APPLICATION/LSAR INTERFACE
	end item and the maintenance/support concept. Part II contains reliability and maintainability characteristics of the item. Part III lists corrective and preventive maintenance required, and part IV lists support and associ-ted technical data.	B, paragraph 30.17.
DI-ILSS-80119C, LSA-024, Maintenance Plan	This report consists of three parts. Part I contains general considerations (design description, maintenance plan summary, and maintenance plan ration-ale), Part II describes the repair capability required to support the item. Part III contains a list of maintenance tasks by category (preven-tive, corrective, servicing and cal-ibration).	The LSA-024 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.18, and OPNAVINST 5000.49A.
MANPOWER AND PERSONNEL		
DI-ILSS-81138A, LSA-001, Annual Man-Hours by Skill Specialty Code and Level of Maintenance	This report provides a summary of manpower requirements for a system/ equipment, and is used to determine time required and number of persons to perform each operations/maintenance task.	The LSA-001 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.1.
DI-ILSS-81165A, LSA-065, Manpower Requirements Criteria	This report identifies a summary of man-hour information by scheduled and unscheduled, on equipment; and un-scheduled, off equipment.	The LSA-065 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.33.
DI-ILSS-80290B, LSA-075, Consolidated Manpower, Personnel and Training Report.	This report identifies critical man-power and personnel data by mainte-nance level and new/modified skill requirements as a baseline for performing hardware/manpower analysis.	The LSA-075 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.38.

TABLE III. Data item description (DID) relationships to the LSAR - Continued.

DATA ITEM DESCRIPTION NUMBER AND TITLE	PURPOSE	LSAR APPLICATION/LSAR INTERFACE
SUPPLY SUPPORT		
DI-ILSS-81285, Provisioning Technical Documentation, Provisioning Parts List option	The PPL is a listing of components, assemblies, and support items used in the end item which are furnished under contract. The list is used to determine the range and quantity of support items for an initial period of time.	The LSA-036 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.25, and MIL-STD-1388-1A, paragraph 401.2.8.
Short Form Provisioning Parts List option	The SFPPL serves as an early identification of support items which are recommended by the contractor for initial provisioning.	The LSA-036 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.25, and MIL-STD-1388-1A, paragraph 401.2.8.
Long Lead Times Item List option	The LLTIL is a listing of those items which, because of their complexity of design, complicated manufacturing process or limited production capacity may cause production cycles, which would preclude timely delivery if ordered in advance of normal provisioning.	The LSA-036 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.25, and MIL-STD-1388-1A, paragraph 401.2.8.
Repairable Items List option	This list identifies all items which are repairable within the breakdown of the end item.	The LSA-036 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.25, and MIL-STD-1388-1A, paragraph 401.2.8.
Interim Support Items List option	This list identifies those items required for support between initial operational capability and the point in time when standard provisioning is accomplished.	The LSA-036 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.25, and MIL-STD-1388-1A, paragraph 401.2.8.

TABLE III. Data item description (DID) relationships to the LSAR - Continued.

DATA ITEM DESCRIPTION NUMBER AND TITLE	PURPOSE	LSAR APPLICATION/LSAR INTERFACE
Tool and Test Equipment List option	The TTEL identifies support items required to repair an end item. The list is used in the procurement of required items to support the end item under contract.	The LSA-036 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.25, and MIL-STD-1388-1A, paragraph 401.2.8.
Common and Buld Items List option	The CBIL provides a composite of common hardware and consumables necessary to support routine maintenance of a component and not otherwise classified as a repair part.	The LSA-036 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.25, and MIL-STD-1388-1A, paragraph 401.2.8.
Design Change Notice option	This list identifies those changes made to previously provisioned items. Items are identified as added, deleted, superseded, or modified.	The LSA-036 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.25, and MIL-STD-1388-1A, paragraph 401.2.11.
Post Conference List option	The PCL provides a reviewed and approved list of support items required for the maintenance and support of the system/end item or assembly.	The LSA-036 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.25, and MIL-STD-1388-1A, paragraph 401.2.8.
System Configuration Provisioning List option	The SCPL provides a listing of interfacing items between provisioned end items relating these to an entire system breakdown.	The LSA-036 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.25, and MIL-STD-1388-1A, paragraph 401.2.8.
DI-ILSS-81287, LSA-151, Provisioning Parts List Index (PPLI)	The PPLI is a companion document to other provisioning lists and provides summary information on each line item of the provisioning list.	The LSA-151 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix

TABLE III. Data item description (DID) relationships to the LSAR - Continued.

DATA ITEM DESCRIPTION NUMBER AND TITLE	PURPOSE	LSAR APPLICATION/LSAR INTERFACE
		B, paragraph 30.45, and MIL-STD-1388-1A, paragraph 401.2.8.
DI-ILSS-80293B, LSA-155, Recommended Spare Parts List for Spares Acquisition Integrated with Production (SAIP)	This list provides the contractor's recommendations for support item candidates for the SAIP program.	The LSA-155 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.48, and MIL-STD-1388-1A, paragraph 401.2.6.
DI-ILSS-81287, Provisioning and Other Preprocurement Screening	This summary is used to identify existing national stock numbers and cataloging information by creating "LSR" type screening transactions.	The LSA-032 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.23, and MIL-STD-1388-1A, paragraph 202.2.5.
SUPPORT EQUIPMENT AND TEST MEASUREMENT AND DIAGNOSTIC EQUIPMENT		
DI-ILSS-80118C, LSA-070, Support Equipment Recommendation Data (SERD)	This report consist of six sections. It represents the contractor's recommendations for maintenance level operational support equipment necessary for organizational, intermediate, and depot level maintenance.	The LSA-070 summary provides all the data requirements necessary to completely satisfy this DID. Appendix B, paragraph 30.34, and MIL-STD-2097 cite the requirement for a SERD summary.
DI-ILSS-81166A, LSA-071, Support Equipment Candidate List	This report provides a consolidated listing of active and disapproved support equipment (SE) candidates in order to better manage these critical support items.	The LSA-071 summary provides all the data requirements necessary to completely satisfy this DID. Appendix B, paragraph 30.35, cites the requirement for an SE candidate list.
DI-ILSS-80288B, LSA-072, Test, Measurement, and Diagnostic Equipment (TMDE) Requirements Summary	This report identifies a TMDE item and provides a summary of TMDE requirements and technical description to verify the applicability of the test	The LSA-072 summary provides all the data requirements necessary to completely satisfy this DID. Paragraph 30.36, appendix B, cites the

TABLE III. Data item description (DID) relationships to the LSAR - Continued.

DATA ITEM DESCRIPTION NUMBER AND TITLE	PURPOSE	LSAR APPLICATION/LSAR INTERFACE
	equipment for use on the system/end item.	requirement for an LSA-072 summary
DI-ILSS-80289B, LSA-074, Support Equipment Tool List	This report identifies stock listed tools, commercially available tools, modified tools, stock listed and commercial, and tools requiring development.	The LSA-074 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.37.
DI-ILSS-81167A, LSA-076, Calibration and Measurement Requirements Summary	This report provides information concerning calibration intervals and parameters for calibration measurement.	The LSA-076 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.39, and MIL-STD-1839.
TECHNICAL DATA AND MANUALS		
DI-ILSS-81153A, LSA-019, Task Analysis Summary	This report provides a listing of personnel and support items to perform each operations/maintenance task, and the step-by-step sequential task procedures. It is used as source information in preparation of narrative technical publications.	The LSA-019 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.16.
DI-ILSS-81156A, LSA-030, Indentured Parts List, Repair Parts and Special Tools List (RPSTL) Option	This report consists of four sections which are used to satisfy the listing and indexes requirements of a repair parts manual. It consists of general instructions, repair parts, list, special tools list, and four cross-reference indexes.	This LSA-030 option provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.22, and MIL-STD-335, paragraph 5.
Stockage List Type Four Report Option	This report is used to satisfy the listing portion of part I, Item Identification Listing for a Type Four Stockage List Manual (Marine Corps).	This LSA-030 option provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.22.

TABLE III. Data item description (DID) relationships to the LSAR - Continued.

DATA ITEM DESCRIPTION NUMBER AND TITLE	PURPOSE	LSAR APPLICATION/LSAR INTERFACE
Illustrated Parts Breakdown Option	This report is used to satisfy Section II, Maintenance Parts List, and Section III, Numerical Index, of the IPB.	This LSA-030 option provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.22, and MIL-M-38807.
DI-ILSS-81157A, LSA-033, Preventive Maintenance Checks and Services (PMCS)	This report identifies the crew/operator PMCS necessary for the operator's technical manual.	The LSA-033 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.24, and MIL-M-63036(TM).
DI-ILSS-81160A, LSA-040, Authorization List Items Option	This report, consisting of four sections, are listings required for an operator's or combined operator's and maintenance manual. The sections are: components of end item; basic issue items list; additional authorization list items; and, expendable/durable supplies and materials list items.	This LSA-040 option provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.28, and MIL-M-63036(TM).
Stockage List Type Three Option	This report, consisting of three sections, are listings required for a stockage list type three (Marine Corps) manual. The sections are: supply system responsible items (also listing principal end items), using unit responsible items, and collateral equipment.	This LSA-040 option provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.28.
PACKAGING, HANDLING AND STORAGE		
DI-PACK-80120, Preservation and Packing Data	This report provides detailed packing information necessary to determine packing level requirements.	The LSA-025 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix

TABLE III. Data item description (DID) relationships to the LSAR - Continued.

DATA ITEM DESCRIPTION NUMBER AND TITLE	PURPOSE	LSAR APPLICATION/LSAR INTERFACE
		B, paragraph 30.19, and MIL-STD-2073-1A, appendix K.
TRANSPORTATION AND TRANSPORTABILITY		
DI-ILSS-81170A, LSA-085, Transportability Summary	This report identifies information critical to the shipping and transport of major end items of equipment.	The LSA-085 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.43.
FACILITIES		
DI-ILSS-81148A, LSA-012, Facility Requirement	This report identifies tasks which require new or modified facilities or facility requirements for training. Also included in this summary are narrative explanations, descriptions, and justifications of facility requirements.	The LSA-012 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix b, paragraph 30.11.
DI-ILSS-80291B, LSA-077, Depot Maintenance Interservice Data Summary	This report identifies depot requirements divided into three parts. Part I contains all repairable items and the applicable tasks which are performed at depot. Part II lists all required support equipment and new, modified, or existing depot facility requirements. Part III provides detailed information concerning depot support equipment and associated test program sets.	The LSA-077 summary provides all the data requirements necessary to completely satisfy this DID. This requirement is specified by appendix B, paragraph 30.40.
HUMAN SYSTEMS INTEGRATION		
DI-ILSS-81152, LSA-018, Task Inventory Report	This report provides a complete listing of Jobs and Duties with their related operating and maintenance tasks,	The LSA-018 summary provides all the data requirements necessary to completely satisfy this DID. This

TABLE III. Data item description (DID) relationships to the LSAR - Continued.

DATA ITEM DESCRIPTION NUMBER AND TITLE	PURPOSE	LSAR APPLICATION/LSAR INTERFACE
	subtasks, and elements. It is useful to human systems integration specialists in particular.	requirement is specified by appendix B, paragraph 30.15.

TABLE III. Data item description (DID) relationships to the LSAR - Continued.

APPENDIX E

DATA ELEMENT DICTIONARY

10 PURPOSE. This appendix provides the Data Element Dictionary for the Logistic Support (LSA) Analysis Record (LSAR) and information for interpreting and using it. The dictionary contains all the data elements and names that appear on the LSAR data relationship tables.

20 SECTIONS. The dictionary is divided into three sections.

20.1 Section 1: Index of data element titles. This section contains listing of data element definition (DED) numbers and titles. For each DED, the relational table location(s) in which the data element appears, by table and element codes, are depicted.

20.2 Section 2: Listing of data element codes. This section is an alphabetical listing of the data element codes used on the LSAR data relational tables with cross-references to the data element roll names they represent. Also listed are the applicable DED numbers.

20.3 Section 3: DEDs. This section contains definitions for all data elements that appear on the LSAR data relationship tables. The DED contains some or all of the following entries. When a standard data element acronym applies, this is also listed in this section.

a. DED number

b. Data element title with acronym

c. Field format

d. DED

e. Data item(s)

f. Data code(s)

g. Role name(s)

20.3.1 Format. The general format for the DED is as follows:

DED #	DATA ELEMENT TITLE (ACRONYM)	FIELD FORMAT
	DATA ELEMENT DEFINITION	
	DATA ITEM(S)	DATA CODE(S)
	ROLE NAME(S)	

Example of actual DED entry:

339 RELIABILITY/MAINTAINABILITY INDICATOR CODE — 1 A F -

A code used to indicate whether the reliability and maintainability parameters entered on the card are allocated, predicted, measured, or comparability analysis values.

Comparability analysis	C
Allocated	A
Predicted	P
Measured	M

20.3.2 Definition of terms.

20.3.2.1 DED number. A sequentially assigned number to each data element in the dictionary for use in locating and referencing it throughout the dictionary and data entry instructions (appendix A).

20.3.2.2 Data element title. The noun phrase name used to identify the data element. Sufficient adjectival modifiers are used with the noun name to ensure title uniqueness.

20.3.2.3 Field format. A specification for the length, type, positional justification, and decimal placement of a data element field, or subfield thereof, as described below:

a. Length. The number of character positions in the data element. In the event the length is variable, the maximum length is specified.

b. Type. A specification of the character type, wherein:

"A" specifies that all characters of the data entry are upper case alphabetical.

"N" specifies that all characters of the data entry are numerical.

"X" specifies that characters of the data entry are upper case alphabetical, numerical, special, or any combination thereof.

"D" specifies that characters of the data entry are numerical with floating decimal. Decimals may be entered as required or exponentially, e.g., "0.0000325" or "3.25E-5".

c. Justification. Specifies from which side of the field the characters of the data element are entered. Those starting at the left are left justified (L), those starting at the right are right justified (R). Those which always occupy the entire field are fixed (F), as shown below. A dash (-) is used if this column is not applicable.

(L)	3	1	0	2				
(R)				3	1	0	2	
(F)	1	3	1	0	2	0	5	

DED	DATA ELEMENT TITLE	TABLE LOCATIO&
503	Utilization Ratio	AE. UTRATIAE
504	Venting and Protective Clothing Requirements	JF.TRANARJF, JF.TRANCDF(L)
505	Wearout Life	BA.WEOULIBA
506	Wheeled Axle and Suspension Requirements	JD.WHTRLOJD, JD.TREINCJD(D)
507	Wheeled Inflation Pressure	JC.WHINPRJC
508	Wheeled Number of Plies	JC.WHNUPLJC
509	Wheeled Number of Tires	JC.WHNUTIJC
510	Wheeled Tire Load Rating	JC.WHTLDILJC
511	Wheeled Tire Requirements	JD.WHTRLOJD, JD.TREINCJD(A)
512	Wheeled Tire Size	JC.WHTIFTJC
513	Wheeled Weight Ratings	JC.WHWERAJC
514	Work Area Code	CB.SUBWACCB
515	Work Package Reference	UA.UTWPRFUA, UM.WKPKRFUM
516	Work Unit Code	HG.WRKUCDHG
517	Wrapping Material	HF.WRAPMTHF
518	Year	EA. YRFLDGEA

APPENDIX E - SECTION 2

LISTING OF DATA ELEMENT CODES

CODE	DED	DATA ELEMENT TITLE (ROLE NAMED)
		- A -
AAEERHGD	026	ASVAB APTITUDE ELEMENT EXPECTED RANGE HIGH
AAEERLGD	026	ASVAB APTITUDE ELEMENT EXPECTED RANGE LOW
AAELPHGD	026	ASVAB APTITUDE ELEMENT LOWEST PERCENT HIGH
AAELPLGD	026	ASVAB APTITUDE ELEMENT LOWEST PERCENT LOW
AAEXRHGB	026	ASVAB AFQT EXPECTED RANGE HIGH
AAEXRLGB	026	ASVAB AFQT EXPECTED RANGE LOW
AALPRHGB	026	ASVAB AFQT LOWEST PERCENT HIGH
AALPRLGB	026	ASVAB AFQT LOWEST PERCENT LOW
AAPLCCHA	308	GOVERNMENT FURNISHED PROVISIONING LIST CATEGORY CODE
ABAFQTGB	026	ASVAB AFQT SCORE
ACHAVABD	001	ACHIEVED AVAILABILITY
ACQMETHA	003	ACQUISITION METHOD CODE
ACTNAMED	399	ACTIVITY NAME LOCATION
ACTNSNHA	253	NSN ACTIVITY CODE
ADCAGEHB	046	ARN CAGE CODE
ADDLTMXA	014	ADMINISTRATIVE LEAD TIME
ADDREFHB	006	ADDITIONAL REFERENCE NUMBER
ADPEQPHA	027	AUTOMATIC DATA PROCESSING EQUIPMENT CODE
ADQCOFEA	002	ACQUISITION DECISION OFFICE
ADRNCCHB	338	ARN REFERENCE NUMBER CATEGORY CODE
ADRNVCHB	339	ARN REFERENCE NUMBER VARIATION CODE
AIDCAGUI	046	ADAPTER INTERCONNECTOR DEVICE (AID) CAGE CODE
AIDCUTUI	048	COMMON UNIT UNDER TEST
AIDREFUI	337	AID REFERENCE NUMBER
AIDRQDEA	005	ADAPTER/INTERCONNECTION DEVICE REQUIRED
AIDSRDUI	416	AID SUPPORT EQUIPMENT RECOMMENDATION DATA NUMBER
AIDUCNUI	025	AID APPORTIONED UNIT COST RECURRING
AIDUCRUI	025	AID APPORTIONED UNIT COST NONRECURRING
ALCSEIHN	019	S/N PROVISIONING SYSTEM/EI ALC
ALCSEIHO	019	UOC PROVISIONING SYSTEM/EI ALC
ALCSEIXE	019	S/N SYSTEM/EI ALTERNATE LCN CODE
ALCSEIXF	019	UOC SYSTEM/EI ALC
ALDCNMEB	016	ALLOWANCE DOCUMENT NUMBER
ALDNDSEB	015	ALLOCATION DESIGN DESCRIPTION
ALDTXXBE	013	ADMINISTRATIVE AND LOGISTICS DELAY TIME
ALEXRNEB	015	ALLOCATION EXTENDED RANGE
ALIQTYHG	018	ALLOWANCE ITEM QUANTITY
ALLOWCHG	017	ALLOWANCE ITEM CODE
ALLVCDEB	015	ALLOCATION LAND OR VESSEL CODE
ALMLVLEB	015	ALLOCATION MAINTENANCE LEVEL FUNCTION
ALORG1EB	015	ALLOWABLE RANGE 1
ALORG2EB	015	ALLOWABLE RANGE 2
ALORG3EB	015	ALLOWABLE RANGE 3
ALORG4EB	015	ALLOWABLE RANGE 4
ALORG5EB	015	ALLOWABLE RANGE 5
ALORG6EB	015	ALLOWABLE RANGE 6
ALORG7EB	015	ALLOWABLE RANGE 7

CODE	DED	DATA ELEMENT TITLE (ROLE NAMED)
ALORG8EB	015	ALLOWABLE RANGE 8
ALORG9EB	015	ALLOWABLE RANGE 9
ALRG1OEB	015	ALLOWABLE RANGE 10
ALSTIDEB	015	ALLOCATION STATION IDENTIFICATION CODE
ALTFSCEH	253	ALTERNATE NATIONAL STOCK NUMBER (NSN) FEDERAL SUPPLY CLASSIFICATION
ALTLCNBH	019	FMT ALTERNATE LCN CODE
ALTLCNHN	019	S/N PROVISIONING ITEM ALTERNATE LCN CODE (ALC)
ALTLCNHO	019	UOC PROVISIONING ALTERNATE LCN CODE (ALC)
ALTLCNXB	019	ALTERNATE LCN CODE
ALTLCNXE	019	S/N ITEM ALTERNATE LCN CODE
ALTLCNXF	019	UOC ITEM ALC
ALTNIIEH	253	ALTERNATE NSN NATIONAL ITEM IDENTIFICATION NUMBER
AMSUFCHA	004	ACQUISITION METHOD SUFFIX CODE
ANNOMIAB	021	ANNUAL NUMBER OF MISSIONS
ANOPDAAB	022	ANNUAL OPERATING DAYS
ANOPREAG	023	ANNUAL OPERATING REQUIREMENTS
ANOPTIAB	024	ANNUAL OPERATING TIME
AORALCCA	019	AOR ALC
AORLCNCA	199	ANNUAL OPERATING REQUIREMENT (AOR) LCN
AORMSBCA	238	AOR MEASUREMENT BASE
AORTYPCA	203	AOR LCN TYPE
ARAPTDHG	313	AS REQUIRED LIST A (PTD)
ARBPTDHG	313	AS REQUIRED LIST B (PTD)
ASVAPEGD	026	ASVAB APTITUDE ELEMENT
ATECAGUK	046	ATE CAGE CODE
ATEGDSUK	149	ATE GOVERNMENT DESIGNATOR
ATEREFUK	337	AUTOMATIC TEST EQUIPMENT (ATE) REFERENCE NUMBER
AVAIMHAE	028	AVAILABLE MAN-HOUR

- B -

BBPLCCHA	308	INTERIM SUPPORT ITEMS PLCC
BDLPGABA	032	BUILT IN TEST DETECTABILITY LEVEL PERCENTAGE PER GROUP 1
BDLPGBBA	032	BUILT IN TEST DETECTABILITY LEVEL PERCENTAGE PER GROUP 2
BITNDPBA	031	BUILT IN TEST CANNOT DUPLICATE PERCENTAGE
BITROPBA	033	BUILT IN TEST RETEST OK PERCENT
BOICTRHM	030	BASIS OF ISSUE CONTROL

- C -

CACITYXH	047	CAGE CITY
CADMTDHG	214	CONDEMNED AT DEPOT MTD
CAGECDHB	046	ARN ITEM CAGE CODE
CAGECDHC	046	ITEM CAGE CODE
CAGECDHN	046	S/N PROVISIONING CAGE CODE
CAGECDHO	046	UOC PROVISIONING CAGE CODE
CAGECDXH	046	COMMERICAL AND GOVERNMENRT ENTITY (CAGE) CODE
CALINTEA	037	CALIBRATION INTERVAL
CALITMEA	038	CALIBRATION ITEM
CALPROEC	039	CALIBRATION PROCEDURE
CALRQDEA	040	CALIBRATION REQUIRED
CALSTDEA	041	CALIBRATION STANDARD
CALTIMEA	042	CALIBRATION TIME

CODE	DED	DATA ELEMENT TITLE (ROLE NAMED)
CANAMEXH	047	CAGE NAME
CANATNXH	047	CAGE NATION
CANUMBHP	043	CHANGE AUTHORITY NUMBER
CAPOZOXH	047	CAGE POSTAL ZONE
CASTATXH	047	CAGE STATE
CASTREXH	047	CAGE STREET
CBDMTDHG	214	CONDEMNED BELOW DEPOT MTD
CBLPTDHG	313	COMMON AND BULK ITEMS LIST (PTD)
CCPLCCHA	308	LONG LEAD ITEM PLCC
CDPROCHF	045	CLEANING AND DRYING PROCEDURES
CFEGFEEA	056	CONTRACTOR FURNISHED EQUIPMENT/GOVERNMENT FURNISHED EQUIPMENT
CMRSRCEA	035	CALIBRATION MEASUREMENT REQUIREMENT SUMMARY RECOMMENDED
CNTRECEJ	057	DDCC CONTRACTOR RECOMMENDED
CNTRNOEA	055	SUPPORT EQUIPMENT CONTRACT NUMBER
COGNSNHA	253	NSN COGNIZANCE CODE
CONLENJB	053	CONTAINER LENGTH
CONNSNHF	253	CONTAINER NATIONAL STOCK NUMBER
CONNUMJA	055	CONTRACT NUMBER
CONRCTHG	350	CONTRACTOR RCT
CONRECEL	057	IRCC CONTRACTOR RECOMMENDED
CONTNOXA	055	SYSTEM END ITEM CONTRACT NUMBER
CONTYPJB	054	CONTAINER TYPE
CONUOMFA	491	CONSTRUCTION UNIT OF MEASURE
CONVFABA	059	CONVERSION FACTOR
CREANGJC	063	CREST ANGLE
CREWSW	064	CREW SIZE
CRITCDHA	066	CRITICALITY CODE
CRITITHA	065	CRITICAL ITEM CODE
CSPRRQXA	062	COST PER REQUISITION
CSREORXA	061	COST PER REORDER
CTCAGEHC	046	CTIC CAGE CODE
CTDLTMXA	052	CONTRACT TEAM DELAY TIME
CTICODHA	058	CONTRACTOR TECHNICAL INFORMATION CODE
CURPRCHD	051	UI PRICE CONCURRENT PRODUCTION CODE
CURPRCHE	051	UM PRICE CONCURRENT PRODUCTION CODE
CUSHMAHF	067	CUSHIONING AND DUNNAGE MATERIAL
CUSTCDEA	069	CUSTODY CODE
CUSTHIHF	068	CUSHIONING THICKNESS

- D -

DATASCHG	070	DATA STATUS CODE
DATFADEA	071	DATE OF FIRST ARTICLE DELIVERY
DDCCSCEJ	365	DDCC SCOPE
DDPLCCHA	308	TOOLS AND TEST EQUIPMENT PLCC
DEGPROHF	074	DEGREE OF PROTECTION CODE
DELSCHJA	075	DELIVERY SCHEDULE
DEMILCXA	077	DEMILITARIZATION COST
DEMILIHA	076	DEMILITARIZATION CODE
DEPUPKHF	494	UNIT PACK DEPTH
DINMETAD	280	DAILY INSPECTION MEAN ELAPSED TIME
DINMMHAD	280	DAILY INSPECTION MEAN MAN-HOURS
DISCNTXA	083	DISCOUNT RATE

CODE	DED	DATA ELEMENT TITLE (ROLE NAMED)
DLSCRCHA	073	DEFENSE LOGISTICS SERVICES CENTER SCREENING REQUIREMENT CODE
DMTDDDHG	214	DEPOT/SHIPYARD MTD
DOCAVCHA	086	DOCUMENT AVAILABILITY CODE
DOCIDCHA	087	DOCUMENT IDENTIFIER CODE
DPRNRSGB	092	DUTY POSITION REQUIRING A NEW OR REVISED SKILL
DRCLASFA	088	FACILITY DRAWING CLASSIFICATION
DRCTDDHG	350	DEPOT/SHIPYARD RCT
DRPONEHG	081	DESIGNATED REWORK POINT ONE
DRPTWOHG	081	DESIGNATED REWORK POINT TWO
DRTDDDHG	355	DEPOT SHIPYARD RTD
DRWCLSEA	088	SUPPORT EQUIPMENT DRAWING CLASSIFICATION
DSNDATEJ	079	DESIGN DATA CATEGORY CODE
DSNPRCEA	080	DESIGN DATA PRICE
DTGVDSEF	071	SERD DATE OF GOVERNMENT DISPOSITION
DTRVSBEF	071	SERD DATE OF REVISION SUBMISSION
DUTIESCJ	090	DUTY
DUTYCDCJ	091	DUTY CODE

- E -

ECOANLEA	093	ECONOMIC ANALYSIS
EEPLCCHA	308	COMMON AND BULK ITEM PLCC
EFMMMBBF	238	ENGINEERING FAILURE MODE MEAN TIME BETWEEN FAILURE MEASUREMENT BASE
EFMTBFBF	097	ENGINEERING FAILURE MODE MEAN TIME BETWEEN FAILURE
EIACODXA	096	END ITEM ACRONYM CODE
ELEMNTCC	095	ELEMENT INDICATOR
ENDARTEA	179	END ARTICLE ITEM DESIGNATOR
ENHATCJA	098	ENVIRONMENTAL HANDLING AND TRANSPORTATION INDICATOR
EOILINJB	104	EXTERNAL OR INTERNAL LOAD INDICATOR
ESSALVXA	102	ESTIMATED SALVAGE VALUE
ESSCODHG	100	ESSENTIALITY CODE
ESTPRCEJ	101	DDCC ESTIMATED PRICE
ESTPRCEL	101	IRCC ESTIMATED PRICE
EXUNPREA	103	EXTENDED UNIT PRICE

- F -

FAAREAFA	026	FACILITY AREA
FAARUMFA	491	FACILITY AREA UNIT OF MEASURE
FABNARFC	---	BASELINE FACILITY NARRATIVE
FACCCDFA	115	FACILITY CATEGORY CODE
FACCCDFC	115	BASELINE FACILITY CATEGORY CODE
FACCCDFD	115	NEW OR MODIFIED FACILITY CATEGORY CODE
FACCLAFA	116	FACILITY CLASS
FACNAMFA	118	FACILITY NAME
FACNAMFC	118	BASELINE FACILITY NAME
FACNAMFD	118	NEW OR MODIFIED FACILITY NAME
FACNARFB	---	FACILITY NARRATIVE
FACTYPFA	483	FACILITY TYPE
FACTYPFC	483	BASELINE FACILITY TYPE
FACTYPFD	483	NEW OR MODIFIED FACILITY TYPE
FACRNUBI	133	FAILURE MODE CRITICALITY NUMBER
FADNUMFA	089	FACILITY DRAWING NUMBER
FADREVFA	360	FACILITY DRAWING REVISION

CODE	DED	DATA ELEMENT TITLE (ROLE NAMED)
FAILRTBD	140	FAILURE RATE
FALCNCXG	019	FUNCTIONAL EI ALC
FAMGRPEA	142	FAMILY GROUP
FAMOINBF	134	FAILURE MODE INDICATOR
FARAMBBD	238	FAILURE RATE MEASUREMENT BASE
FBNACDFC	113	BASELINE FACILITY NARRATIVE CODE
FEPROBBI	130	FAILURE EFFECT PROBABILITY
FFPLCCHA	308	REPAIRABLE ITEMS PLCC
FIAMBABA	143	FAULT ISOLATION AMBIGUITY GROUP 1
FIAMBBBA	143	FAULT ISOLATION AMBIGUITY GROUP 2
FIGNUMHK	144	FIGURE NUMBER
FIPFGABA	143	FAULT ISOLATION PERCENT FAILURE GROUP 1
FIPFGBBA	143	FAULT ISOLATION PERCENT FAILURE GROUP 2
FIQPQTJE	298	FIRST QUARTER PROCUREMENT QUANTITY
FISCYRHD	145	UI PRICE FISCAL YEAR
FISCYRHE	145	UM PRICE FISCAL YEAR
FLCNTYXG	203	FUNCTIONAL SYSTEM/EI LCN TYPE
FLITNMEA	412	SUPPORT EQUIPMENT FULL ITEM NAME
FLSACNXG	199	FUNCTIONAL SYSTEM/EI LCN
FMCLASBF	132	FAILURE MODE CLASSIFICATION
FMCNARBJ	---	FAILURE MODE INDICATOR MISSION PHASE CHARACTERISTICS NARRATIVE
FMMPCNBJ	135	FAILURE MODE INDICATOR MISSION PHASE CHARACTERISTICS NARRATIVE CODE
FMNCNABG	131	FAILURE MODE AND RCM NARRATIVE CODE
FMNNARBG	---	FAILURE MODE NARRATIVE
FMOPTIBI	269	OPERATING TIME
FMOTMBBI	238	OPERATING TIME MEASUREMENT BASE
FMIUiTOBF	136	FAILURE MODE RATIO
FMSHSCBI	362	SAFETY HAZARD SEVERITY CODE
FMSHSCBK	362	M SAFETY HAZARD SEVERITY CODE
FMSRNOHQ	374	SERIAL NUMBER EFFECTIVITY FROM
FMTDFFHG	214	INTERMEDIATE/DIRECT SUPPORT MTD
FNCODEFB	119	FACILITY NARRATIVE CODE
FPROBLBI	139	FAILURE PROBABILITY LEVEL
FQPQTYJE	298	FOURTH QUARTER PROCUREMENT QUANTITY
FRCLASJB	146	FREIGHT CLASSIFICATION
FRCTFFHG	350	INTERMEDIATE/DIRECT SUPPORT RCT
FRDATABA	141	FAILURE RATE DATA SOURCE
FRSNUMHN	373	S/N PROVISIONING SERIAL NUMBER FROM
FRSNUMXD	373	SERIAL NUMBER FROM
FRSNUMXE	373	S/N SERIAL NUMBER FROM
FRTDFFHG	355	INTERMEDIATE/DIRECT SUPPORT RTD
FSCNSNHA	253	NSN FEDERAL SUPPLY CLASSIFICATION
FTRNRQCA	358	FACILITY REQUIREMENT CODE

- G -

GENECDEA	148	GENERIC CODE
GFAEIDEM	179	SYSTEM EQUIPMENT ITEM DESIGNATOR
GGPLCCHA	308	INTERIM RELEASED ITEM PLCC
GOVDESEA	149	GOVERNMENT DESIGNATOR
GOVRQDEJ	150	DDCC GOVERNMENT REQUIRED
GOVRQDEL	150	IRCC GOVERNMENT REQUIRED

CODE	DED	DATA ELEMENT TITLE (ROLE NAMED)
		- H -
HALTMLJB	250	HIGHWAY ALTERNATE MODEL LOAD
HALTMTJB	251	HIGHWAY ALTERNATE MODEL TYPE
HARDCIHG	151	HARDNESS CRITICAL ITEM
HAZCODHA	154	HAZARDOUS CODE
HAZMPCCA	155	HAZARDOUS MAINTENANCE PROCEDURES CODE
HDWRPREA	153	HARDWARE DEVELOPMENT PRICE
HHPLCCHA	308	INSTALLATION AND CHECKOUT ITEM PLCC
HICLNEJC	241	MILITARY LOAD CLASSIFICATION EMPTY
HICLNLJC	241	MILITARY LOAD CLASSIFICATION LOADED
HIPRMLJB	250	HIGHWAY PRIME MODEL LOAD
HIPRMTJB	251	HIGHWAY PRIME MODEL TYPE
HLCSPCXA	160	HOLDING COST PERCENTAGE
HMATLRJB	159	HELICOPTER MISSION ALTITUDE
HMDISRJB	159	HELICOPTER MISSION DISTANCE
HMPAYRJB	159	HELICOPTER MISSION PAYLOAD
HMSCOSHA	156	HAZARDOUS MATERIALS STORAGE COST
HMTDHHHG	214	INTERMEDIATE/GENERAL SUPPORT MTD
HMTIMRJB	159	HELICOPTER MISSION TIME
HMTMPRJB	159	HELICOPTER MISSION TEMPERATURE
HRCTHHHG	350	INTERMEDIATE/GENERAL SUPPORT RCT
HRDCPCCA	152	HARDNESS CRITICAL PROCEDURE CODE
HRLARTGA	161	HOUR LABOR RATE
HRTDHHHG	355	INTERMEDIATE/GENERAL SUPPORT RTD
HWDCOSHA	157	HAZARDOUS WASTE DISPOSAL COST
HWSCODHA	158	HAZARDOUS WASTE STORAGE COST
		- I -
ICCODEEK	172	SUPERCEDURE INTERCHANGEABILITY CODE
ILSPRCEA	170	INTEGEUiTED LOGISTIC SUPPORT PRICE
IMTBMMBD	238	MEAN TIME BETWEEN MAINTENANCE INDUCED MEASUREMENT BASE
INAMECHA	183	ITEM NAME CODE
INCATCXA	167	INITIAL CATALOG COST
INCQTYHF	175	INTERMEDIATE CONTAINER QUANTITY
INDCODHG	162	INDENTURE CODE
INDMATHA	163	INDUSTRIAL MATERIALS ANALYSIS OF CAPACITY
INHAVAM	164	REQUIRED INHERENT AVAILABILITY
INHAVABD	164	INHERENT AVAILABILITY
INHMAFBD	165	INHERENT MAINTENANCE FACTOR
INHMTBBD	232	MEAN TIME BETWEEN MAINTENANCE INHERENT
INHMTMBD	238	MEAN TIME BETWEEN MAINTENANCE INHERENT MEASUREMENT BASE
INMTBMBD	231	MEAN TIME BETWEEN MAINTENANCE INDUCED
INTBINXA	166	INITIAL BIN COST
INTCHCHP	172	INTERCHANGEABILITY CODE
INTCONHF	174	INTERMEDIATE CONTAINER CODE
INTIUTXA	173	INTEREST RATE
INTSUBEF	071	SERD DATE OF INITIAL SUBMISSION
INVSTGXA	176	INVENTORY STORAGE SPACE
IOCAGEAH	046	INTEROPERABLE CAGE CODE
IOINTYAH	266	NUMBER TYPE
IOITNMAH	440	INTEROPERABLE ITEM TECHNICAL MANUAL NUMBER

CODE	DED	DATA ELEMENT TITLE (ROLE NAMED)
IONANEAH	182	INTEROPERABLE ITEM NAME
IONFSCAH	253	INTEROPERABLE ITEM NSN FSC
IONIINAH	253	INTEROPERABLE ITEM IDENTIFICATION NUMBER
IOREFNAH	337	INTEROPERABLE REFERENCE NUMBER
IPACDCEI	168	INPUT POWER SOURCE ALTERNATING CURRENT DIRECT CURRENT
IPFRMXEI	168	INPUT POWER SOURCE FREQUENCY RANGE MAXIMUM
IPMXRPEI	168	INPUT POWER SOURCE PERCENT MAX RIP
IPOPRGEI	168	INPUT POWER SOURCE OPERATING RANGE MINIMUM
IPPHASEI	168	INPUT POWER SOURCE PHASE
IPPOWREI	168	INPUT POWER SOURCE WATTS
IPRGMXEI	168	INPUT POWER SOURCE FREQUENCY RANGE MINIMUM
IPSOPNEI	168	SOURCE OPTION NUMBER
IPSRGMEI	168	INPUT POWER SOURCE OPERATING RANGE MAXIMUM
IRCCODEL	171	INTERATED LOGISTIC SUPPORT REQUIREMENT CATEGORY CODE
IRCSCOEL	365	IRCC SCOPE
ISLPTDHG	313	INTERIM SUPPORT ITEMS LIST(PTD)
ITEMNOHK	184	ITEM NUMBER
ITMCATHG	177	ITEM CATEGORY CODE
ITMDESXC	179	SYSTEM/EI ITEM DESIGNATOR CODE
ITMMGCHA	181	ITEM MANAGEMENT CODE
ITNAMEHA	182	ITEM NAME
		- J -
JJPLCCHA	308	AUTHORIZATION STOCK LIST ITEM PLCC
JOBCODCJ	186	JOB CODE
JOBDESCJ	185	JOB
		- K -
KKPLCCHA	308	RECOMMENDED BUY LIST ITEM PLCC
		- L -
LABRATAI	189	LABOR RATE
LCNAMEXB	201	LCN NOMENCLATURE
LCNINDXB	200	LCN INDENTURE
LCNSEIHN	199	S/N PROVISIONING SYSTEM/EI LCN
LCNSEIHO	199	UOC PROVISIONING SYSTEM/EI LCN
LCNSEIXE	199	S/N SYSTEM/EI LCN
LCNSEIXF	199	UOC SYSTEM/EI LCN
LCNSTRXA	202	LCN STRUCTURE
LCNTYPBH	203	FMT LCN TYPE
LCNTYPXB	203	LCN TYPE
LCNTYPXE	203	S/N ITEM LCN TYPE
LCNTYPXF	203	UOC ITEM LCN TYPE
LENUPKHF	494	UNIT PACK LENGTH
LGCTCDEA	197	LOGISTICS CONTROL CODE
LGDCOFEA	198	LOGISTICS DECISION OFFICE
LICYSTEA	190	LIFE CYCLE STATUS
LIFSPNEA	191	LIFE SPAN
LINNUMHA	193	LINE ITEM NUMBER
LLIPTDHG	313	LONG LEAD TIME ITEMS LIST PROVISIONING TECHNICAL DOCUMENTATION

CODE	DED	DATA ELEMENT TITLE (ROLE NAMED)
LLPLCCHA	308	PRESCRIBED LOAD LIST ITEM PLCC
LMTDLLHG	214	SPECIAL REPAIR ACTIVITY MTD
LOCOCOBC	425	LOGISTICS CONSIDERATION CODE
LODFACXA	195	LOADING FACTOR
LOGACCBA	196	LOGISTIC CONSIDERATIONS ACCESSIBILITY
LOGCONBA	196	LOGISTIC CONSIDERATIONS CONNECTORS
LOGCRCBA	196	LOGISTIC CONSIDERATIONS CORROSION/RUST CONTROL
LOGDSPBA	196	LOGISTIC CONSIDERATIONS DESIGN FOR SELF PROTECTION
LOGFLOBA	196	LOGISTIC CONSIDERATIONS FAULT LOCATION
LOGLABBA	196	LOGISTIC CONSIDERATIONS LABELING
LOGMAIBA	196	LOGISTIC CONSIDERATIONS MAINTENANCE BASE
LOGNARBC	426	RAM LOGISTIC CONSIDERATIONS
LOGPATBA	196	LOGISTIC CONSIDERATIONS PACKAGING AND TRANSPORTATION
LOGSAFBA	196	LOGISTIC CONSIDERATIONS SAFETY
LOGSKIBA	196	LOGISTIC CONSIDERAITIONS SKILLS
LOGSTABA	196	LOGISTIC CONSIDERATIONS STANDARDIZATION
LOGTEPBA	196	LOGISTIC CONSIDERATIONS TEST POINTS
LOGTMBA	196	LOGISTIC CONSIDERATIONS TWINING
LOTQFMHD	205	UI PRICE LOT QUANTITY FROM
LOTQFMHE	205	UM PRICE LOT QUANTITY FROM
LOTQTOHD	205	UI PRICE LOT QUANTITY TO
LOTQTOHE	205	UM PRICE LOT QUANTITY TO
LRCTLLHG	350	SPECIAL REPAIR ACTIVITY RCT
LRTDLLHG	355	SPECIAL REPAIR ACTIVITY RTD
LRUNITHG	194	LINE REPLACEABLE UNIT
LSACONHN	199	S/N PROVISIONING SYSTEM LSA CONTROL NUMBER (LCN)
LSACONHO	199	UOC PROVISIONING LSA CONTROL NUMBER (LCN)
LSACONXB	199	LSA CONTROL NUMBER (LCN)
LSACONXE	199	S/N ITEM LSA CONTROL NUMBER
LSACONXF	199	UOC ITEM LCN
LSARCDEA	204	LSA RECOMMENDATION CODE
LTYSEIXE	203	LCN S/N UOC SYSTEM/EI LCN TYPE
LTYSEIXF	203	UOC SYSTEM/EI LCN TYPE
LVLBOIHM	030	BASIS OF ISSUE LEVEL
LWHOUMEA	491	OPERATING DIMENSIONS UNIT OF MEASURE
LWHSUMEA	491	STORAGE DIMENSIONS UNIT OF MEASURE

- M -

MAIACTHG	206	MAINTENANCE ACTION CODE
MAININBH	208	MAINTENANCE INTERVAL
MAINMBBH	238	MAINTENANCE INTERVAL MEASUREMENT BASE
MAOTIMHG	221	MAXIMUM ALLOWABLE OPERATING TIME
MATERLHA	218	MATERIAL
MATNSNHA	253	NSN MATERIEL CONTROL CODE
MAXTTRAA	222	REQUIRED MAXIMUM TIME TO REPAIR
MAXTTRBD	222	MAXIMUM TIME TO REPAIR
MDCSSCGB	257	NEW OR MODIFIED SKILL SPECIALTY CODE
MDSCLCGB	386	NEW MODIFIED SKILL LEVEL CODE
MEASBSAG	238	ANNUAL OPERATING REQUIREMENT MEASUREMENT BASE
MEPRESHF	239	METHOD OF PRESERVATION CODE
MEQLINBA	243	MINIMUM EQUIPMENT LIST INDICATOR
MGCOATEA	217	MANAGING COMMAND/AGENCY

CODE	DED	DATA ELEMENT TITLE (ROLE NAMED)
MGTPLNEA	216	MANAGEMENT PLAN
MILUNTJA	242	MILITARY UNIT TYPE
MINREUHG	245	MINIMUM REPLACEMENT UNIT
MISSPCBL	246	MISSION PHASE CODE
MLMTTWC	222	MAINTENANCE LEVEL MAXIMUM TIME TO REPAIR
MLNSSUAC	265	NUMBER OF SYSTEMS SUPPORTED
MLSMHOAC	215	SCHEDULED MAN-HOUR PER OPERATING HOUR
MLUMHOAC	215	UNSCHEDULED MAN-HOUR PER OPERATING HOUR
MLPERCAC	286	MAINTENANCE LEVEL PERCENTILE
MLSAMHAC	020	MAINTENANCE LEVEL SCHEDULED ANNUAL MAN-HOURS
MLUAMHAC	020	MAINTENANCE LEVEL UNSCHEDULED ANNUAL MAN-HOURS
MLUMETAC	499	UNSCHEDULED MAINTENANCE MEAN ELAPSED TIME
MLUMMHAC	499	UNSCHEDULED MAINTENANCE MEAN MAN-HOURS
MMISDMAB	238	MEAN MISSION DURATION MEASUREMENT BASE
MMISDUAB	228	MEAN MISSION DURATION
MMPLCCHA	308	SYSTEM SUPPORT PACKAGE COMPONENT LIST PLCC
MNTPLNUM	209	SE UUT MAINTENANCE PLAN NUMBER
MOBTYPJC	249	MOBILITY TYPE
MODCHGEA	252	MODIFICATION OR CHANGE
MPCMETAD	280	MISSION PROFILE CHANGE MEAN ELAPSED TIME
MPCMMHAD	280	MISSION PROFILE CHANGE MEAN MAN-HOURS
MPOPLDBL	247	MISSION PHASE OPERATIONAL MODE
MRRMODHG	213	MAINTENANCE REPLACEMENT RATE MODIFIER
MRRONEHG	211	MAINTENANCE REPLACEMENT RATE I
MRRTWOHG	212	MAINTENANCE REPLACEMENT RATE II
MSDMETCA	224	MEASURED MEAN ELAPSE TIME
MSDMMHCA	225	MEASURED MEAN MAN-HOURS
MTBMPMBD	238	MEAN TIME BETWEEN PREVENTIVE MAINTENANCE MEASUREMENT BASE
MTBMPVBD	234	MEAN TIME BETWEEN PREVENTIVE MAINTENANCE
MTBRMBBD	238	MEAN TIME BETWEEN REMOVALS MEASUREMENT BASE
MTBRXXAG	235	REQUIRED MEAN TIME BETWEEN REMOVALS
MTBRXXBD	235	MEAN TIME BETWEEN REMOVALS
MTLEADHA	219	MATERIAL LEADTIME
MTLWGTHA	220	MATERIAL WEIGHT
MTTROPBD	236	MEAN TIME TO REPAIR OPERATIONAL
MTTRTHBD	236	MEAN TIME TO REPAIR TECHNICAL

- N -

NETEXWJA	254	NET EXPLOSIVE WEIGHT
NHAINDHH	259	NHA PLISN INDICATOR
NHAPLIHH	258	NEXT HIGHER ASSEMBLY NHA PROVISIONING LIST ITEM SEQUENCE NUMBER
NIINSNHA	253	NSN NATIONAL ITEM IDENTIFICATION NUMBER
NMFNARFD	---	NEW OR MODIFIED FACILITY NARRATIVE
NMFNCDFD	255	NEW OR MODIFIED FACILITY NARRATIVE CODE
NMSNARGC	---	NEW OR MODIFIED SKILL NARRATIVE
NMSNCDGC	256	NEW OR MODIFIED SKILL NARRATIVE CODE
NMTBMMBD	238	MEAN TIME BETWEEN MAINTENANCE NO DEFECT MEASUREMENT BASE
NOMTBMBD	233	MEAN TIME BETWEEN MAINTENANCE NO DEFECT
NOPRFFJA	260	NON-OPERABILITY FRAGILITY FACTOR
NORETSHG	261	NOT REPARABLE THIS STATION
NOSHPSAI	263	NUMBER OF SHOPS
NUMACTED	399	NUMBER OF ACTIVITIES

CODE	DED	DATA ELEMENT TITLE (ROLE NAMED)
NUOPLOAA	262	NUMBER OF OPERATING LOCATIONS

- O -

OMAMDTAA	223	OPERATIONAL MEAN ACTIVE MAINTENANCE DOWNTIME
OMLVLCAC	277	OPERATIONS AND MAINTENANCE LEVEL CODE
OMLVLCAI	277	MODELING OPERATIONS AND MAINTENANCE LEVEL CODE
OMLVLFAJ	277	OPERATIONS AND MAINTENANCE LEVEL FROM
OMLVLTAJ	277	OPERATIONS AND MAINTENANCE LEVEL TO
OMTBFMBD	238	MEAN TIME BETWEEN FAILURES OPERATIONAL MEASUREMENT BASE
OMTBMABD	230	MEAN TIME BETWEEN MAINTENANCE ACTIONS OPERATIONAL
OMTBMMBD	238	MEAN TIME BETWEEN MAINTENANCE ACTIONS OPERATIONAL MEASUREMENT BASE
OMTDOOHG	214	ORGANIZATIONAL MAINTENANCE TASK DISTRIBUTION (MTD)
OPAVAIAB	273	REQUIRED OPERATIONAL AVAILABILITY
OPAVAIBE	273	OPERATIONAL AVAILABILITY
OPLENGEA	268	OPERATING LENGTH
OPMTBFBD	229	MEAN TIME BETWEEN FAILURES OPERATIONAL
OPMRBMAG	230	REQUIRED OPEATIONAL MEAN TIME BETWEEN MAINTENANCE ACTIONS
OPMTBFAG	229	REQUIRED OPERATIONAL MEAN TIME BETWEEN FAILURES
OPMTTRAA	236	REQUIRED OPERATIONAL MEAN TIME TO REPAIR
OPRHGTEA	268	OPERATING HEIGHT
OPRLIFXA	272	OPERATION LIFE
OPRMANEA	278	OPERATOR'S MANUAL
OPRQINAB	275	OPERATIONAL REQUIREMENT INDICATOR
OPRQINBE	275	RAM OPERATIONAL REQUIREMENT INDICATOR
OPRWGTEA	270	OPERATING WEIGHT
OPTPRIHF	279	OPTIONAL PROCEDURES INDICATOR
OPWIDTEA	268	OPERATING WIDTH
ORCTOOHG	350	ORGANIZATIONAL REPAIR CYCLE TIME (RCT)
ORTDOOHG	355	ORGANIZATIONAL REPLACEMENT TASK DISTRIBUTION (RTD)
OSCOSTEA	267	OPERATING AND SUPPORT COST
OSTBTIAB	403	REQUIRED STANDBY TIME
OTPACNUC	025	OTP APPORTIONED UNIT COST NONRECURRING
OTPACRUC	025	OTP APPORTIONED UNIT COST RECURRING
OTPCAGUC	046	OPERATIONAL TEST PROGRAM (OTP) CAGE CODE
OTPCTPUC	060	OTP COORDINATED TEST PLAN
OTPREFUC	337	OPERATIONAL TEST PROGRAM (OTP) REFERENCE NUMBER
OTPSFCUC	402	OTP STANDARDS FOR COMPARISON
OTPSRDUC	416	OTP SUPPORT EQUIPMENT RECOMMENDATION DATA NUMBER
OPWEEMJC	276	OPERATIONAL WEIGHT EMPTY
OPWELOJC	276	OPERATIONAL WEIGHT LOADED
OVHREPHH	281	OVERHAUL REPLACEMENT RATE

- P -

PACCATHF	282	PACKAGING CATEGORY CODE
PALCNCXG	019	PHYSICAL ALC
PAMENRGE	290	PHYSICAL AND MENTAL REQUIREMENTS NARRATIVE
PARACCEC	284	SUPPORT EQUIPMENT PARAMETER ACCURACY
PARGPCEC	284	PARAMETER GROUP CODE
PARPAREC	284	SUPPORT EQUIPMENT PARAMETER
PARRVCEC	284	SUPPORT EQUIPMENT PARAMETER RANGE-VALUE CODE
PASTHREA	285	PASS THROUGH PRICE

CODE	DED	DATA ELEMENT TITLE (ROLE NAMED)
PCCNUMXC	307	SYSTEM/EI PROVISIONING CONTRACT CONTROL NUMBER
PCLPTDHG	313	POST CONFERENCE LIST (PTD)
PERCENAA	286	REQUIRED PERCENTILE
PERCENBD	286	PERCENTILE
PHYSECHA	291	PHYSICAL SECURITY/PILFERAGE CODE
PINMETAD	280	PERIODIC INSP MEAN ELAPSED TIME
PINMMHAD	280	PERIODIC INSP MEAN MAN-HOURS
PIPLISHG	297	PRIOR ITEM PLISN
PKCAGEHF	046	PACKAGING DATA PREPARER CAGE
PKGCODHF	283	PACKING CODE
PLCNTYXG	203	PHYSICAL LCN TYPE
PLISNOXC	309	SYSTEM/EI PROVISIONING LIST ITEM SEQUENCE NUMBER (PLISN)
PLISNOHG	309	PROVISIONING LIST ITEM SEQUENCE NUMBER (PLISN)
PLSACNXG	199	PHYSICAL LCN
PMCSIDCA	296	PREVENTIVE MAINTENANCE CHECKS AND SERVICES INDICATOR CODE
PMDTECCA	237	PRIMARY MEANS DETECTION
PMICODHA	293	PRECIOUS METAL INDICATOR CODE
POIMETAD	280	POSTOPERATIVE INSPECTION MEAN ELAPSED TIME
POIMMHAD	280	POSTOPERATIVE INSPECTION MEAN MAN-HOURS
PPLPTDHG	313	PROVISIONING PARTS LIST (PTD)
PPSLSTHA	302	PROGRAM PARTS SELECTION LIST
PQTKUMCI	491	PROVISION QUANTITY PER TASK UNIT OF MEASURE
PQTYTKCI	319	PROVISION QUANTITY PER TASK
PRDLDTHA	299	PRODUCTION LEADTIME
PRDMETCA	224	PREDICTED MEAN ELAPSE TIME
PRDMMHCA	225	PREDICTED MEAN MAN-HOURS
PREATYEA	294	PREPARING ACTIVITY
PREMETAD	280	PREOPERATIVE INSPECTION MEAN ELAPSED TIME
PREMMHAD	280	PREOPERATIVE INSPECTION MEAN MAN-HOURS
PREOVCBA	292	PILOT REWORK OVERHAUL CANDIDATE
PROALCCI	019	TASK PROVISION ALC
PROCAGCI	046	TASK PROVISION CAGE CODE
PROELEEA	301	PROGRAM ELEMENT
PROELIHP	305	PRORATED EXHIBIT LINE ITEM NUMBER (ELIN)
PROFACXA	300	PRODUCTIVITY FACTOR
PROLCNCI	199	TASK PROVISION LCN
PROLTYCI	203	TASK PROVISION LCN TYPE
PROPSNJA	304	PROPER SHIPPING NAME
PROQTYHP	306	PRORATED QUANTITY
PROREFCI	337	TASK PROVISION REFERENCE NUMBER
PROSICHG	312	PROVISIONING SYSTEM IDENTIFIER CODE
PROUIPHD	314	UI PRICE PROVISIONING
PROUMPHE	314	UM PRICE PROVISIONING
PROVNOHL	310	PROVISIONING NOMENCLATURE
PRSMATHF	295	PRESERVATION MATERIAL CODE
PRSTDACA	287	TASK PERFORMANCE STANDARD A
PRSTDBCA	287	TASK PERFORMANCE STANDARD B
PRSTDCCA	287	TASK PERFORMANCE STANDARD C
PRSTOMXA	289	PERSONNEL TURNOVER RATE/MILITARY
PRSTOVXA	289	PERSONNEL TURNOVER RATE/CIVILIAN
PSICPOEA	303	PROGRAM SUPPORT INVENTORY CONTROL POINT
PSYSIDHG	423	PROVISIONING SYSTEM/END ITEM IDENTIFIER

CODE	DED	DATA ELEMENT TITLE (ROLE NAMED)
		- Q -
QTYASYXC	316	SYSTEM/EI QUANTITY PER ASSEMBLY
QTYASYHG	316	QUANTITY PER ASSEMBLY
QTYAVAAE	324	AVAILABLE QUANTITY
QTYBOIHM	030	BASIS OF ISSUE QUANTITY
QTYFIGHK	318	QUANTITY PER FIGURE
QTYPEIXC	317	SYSTEM/END ITEM QUANTITY PER END ITEM
QTYPEIHG	317	QUANTITY PER END ITEM
QTYPROHP	322	QUANTITY PROCURED
QTYSHPHP	323	QUANTITY SHIPPED
QTYTSTEM	320	SYSTEM EQUIPMENT QUANTITY PER TEST
QTYUPKHF	321	QUANTITY PER UNIT PACK
		- R -
RAILTCJB	325	RAIL TRANSPORTATION COUNTRY
RAILUSJB	326	RAIL USE
RAMCNABB	341	RAM CHARACTERISTICS NARRATIVE CODE
RAMINDBD	347	RAM INDICATOR CODE
RAMINDXB	342	RAM INDICATOR
RAMNARBB	---	RAM CHARACTERISTICS ‘NARRATIVE
RATIOBHM	030	BASIS OF ISSUE END ITEM
RCBINCXA	333	RECURRING BIN COST
RCCATCXA	334	RECURRING CATALOG COST
RCMDSABF	084	RCM DISPOSITION A
RCMDSBBF	084	RCM DISPOSITION B
RCMDSCBF	084	RCM DISPOSITION C
RCMDSDBF	084	RCM DISPOSITION D
RCMDSEBF	084	RCM DISPOSITION E
RCMDSFBF	084	RCM DISPOSITION F
RCMDSGBF	084	RCM DISPOSITION G
RCMDSHBF	084	RCM DISPOSITION H
RCMDSIBF	084	RCM DISPOSITION I
RCMDSJBF	084	RCM DISPOSITION J
RCMLOGAA	345	RELIABILITY CENTERED MAINTENANCE LOGIC UTILIZED
RCMRO1BF	344	RELIABILITY CENTERED MAINTENANCE (RCM) LOGIC RESULTS 01
RCMR02BF	344	RCM LOGIC RESULTS 02
RCMR03BF	344	RCM LOGIC RESULTS 03
RCMR04BF	344	RCM LOGIC RESULTS 04
RCMR05BF	344	RCM LOGIC RESULTS 05
RCMR06BF	344	RCM LOGIC RESULTS 06
RCMR07BF	344	RCM LOGIC RESULTS 07
RCMR08BF	344	RCM LOGIC RESULTS 08
RCM.R09BF	344	RCM LOGIC RESULTS 09
RCMR10BF	344	RCM LOGIC RESULTS 10
RCMR1lBF	341	RCM LOGIC RESULTS 11
RCMR12BF	341	RCM LOGIC RESULTS 12
RCMR13BF	341	RCM LOGIC RESULTS 13
RCMR14BF	341	RCM LOGIC RESULTS 14
RCMR15BF	344	RCM LOGIC RESULTS 15
RCMR16BF	344	RCM LOGIC RESULTS 16
RCMR17BF	344	RCM LOGIC RESULTS 17

CODE	DED	DATA ELEMENT TITLE (ROLE NAMED)
RCMR18BF	344	RCM LOGIC RESULTS 18
RCMR19BF	344	RCM LOGIC RESULTS 19
RCMR20BF	344	RCM LOGIC RESULTS 20
RCMR21BF	344	RCM LOGIC RESULTS 21
RCMR22BF	344	RCM LOGIC RESULTS 22
RcMR23BF	344	RCM LOGIC RESULTS 23
RCMR24BF	344	RCM LOGIC RESULTS 24
RCMR25BF	344	RCM LOGIC RESULTS 25
RCURCSEA	332	RECURRING
RDCODEHJ	336	REFERENCE DESIGNATION CODE
REASUPEK	327	REASON FOR SUPERSEDURE DELETION
REFALCCA	019	REFERENCED ALTERNATE LCN CODE
REFDESHJ	335	REFERENCE DESIGNATION
REFEIACA	096	REFERENCED END ITEM ACRONYM CODE
REFLCNCA	199	REFERENCED LCN
REFNCCHA	338	REFERENCE NUMBER CATEGORY CODE
REFNUMHA	337	REFERENCE NUMBER
REFNUMHB	337	ARN ITEM REFERENCE NUMBER
REFNUMHC	337	ITEM REFERENCE NUMBER
REFNUMHN	337	S/N PROVISIONING REFERENCE NUMBER
REFNUMHO	337	UOC PROVISIONING REFERENCE NUMBER
REFNVCHA	339	REFERENCE NUMBER VARIATION CODE
REFTSKCA	427	REFERENCED TASK CODE
REFTYPCA	203	REFERENCED LCN TYPE
REMARKHI	311	PROVISIONING REMARKS
REMIPIHG	348	REMAIN IN PLACE INDICATOR
REPSURHG	351	REPAIR SURVIVAL RATE
RESTCRXA	359	RETAIL STOCKAGE CRITERIA
REVASSEA	361	REVOLVING ASSETS
REVREMEG	417	SERD REVISION REMARKS
RFDALCCB	019	REFERENCED SUBTASK ALTERNATE LCN CODE
RFDEIACB	096	REFERENCED SUBTASK END ITEM ACRONYM CODE
RFDLCNCB	199	REFERENCED SUBTASK LCN
RFDSUBCB	407	REFERENCED SUBTASK NUMBER
RFDTCDCB	427	REFERENCED SUBTASK TASK CODE
RFDTYPCB	203	REFERENCED SUBTASK LCN TYPE
RICRITBK	178	CRITICALITY NUMBER
RILPTDHG	313	REPAIRABLE ITEMS LIST (PTD)
RISSBUHG	328	RECOMMENDED INITIAL SYSTEM STOCK BUY
RMSSLIHG	329	RECOMMENDED MINIMUM SYSTEM STOCK LEVEL
RNGFRMEC	284	SUPPORT EQUIPMENT PARAMETER RANGE FROM
RNGTOCEC	284	SUPPORT EQUIPMENT PARAMETER RANGE TO
RPPCIVGB	330	RECOMMENDED CIVILIAN GRADE
RPPMILGB	330	RECOMMENDED MILITARY RANK RATE
RPWSCSAI	352	REPAIR WORK SPACE COST
RQDSTKAI	357	REQUIRED DAYS OF STOCK
RSPLISHP	353	REPLACED OR SUPERSEDING (R/S) PLISN
RTLLQTHG	331	RECOMMENDED TENDER LOAD LIST QUANTITY

- S -

SAIPCDHA	391	SPARES ACQUISITION INTEGRATED WITH PRODUCTIONS
SAFLVLXA	363	SAFETY LEVEL

CODE	DED	DATA ELEMENT TITLE (ROLE NAMED)
SAPLISHG	364	SAME AS PLISN
SBMMETCB	227	SUBTASK MEAN MINUTE ELASPSE TIME
SCAGECEM	046	SYSTEM EQUIPMENT CAGE CODE
SCPPTDHG	313	SYSTEM CONFIGURATION PROVISIONING PARTS LIST (PTD)
SCRSSCGB	369	SECURITY CLEARANCE
SDECKSJB	072	SEA DECK STOWAGE
SDSICGJC	384	SKID AREA
SECAGEEA	046	SUPPORT EQUIPMENT (SE) CAGE CODE
SECCLEBA	369	SECURITY CLEARANCE
SECITMXB	367	SECTIONALIZED ITEM TRANSPORTATION INDICATOR
SECSFCXA	421	SUPPORT OF EQUIP COST FACTOR
SECTIDJA	366	SECTIONALIZED IDENTIFICATION
SEGRCDEA	413	SUPPORT EQUIPMENT GROUPING
SEICCDEA	177	SUPPORT EQUIPMENT ITEM CATEGORY CODE
SEINAMK	---	SYSTEM/END ITEM NARRATIVE
SEINCDAK	424	SYSTEM/END ITEM NARRATIVE CODE
SEMTBFEA	229	SUPPORT EQUIPMENT MEAN TIME BETWEEN FAILURE
SEMTTREA	236	SUPPORT EQUIPMENT MEAN TIME TO REPAIR
SENARCEE	414	SUPPORT EQUIPMENT NARRATIVE CODE
SENTRAEA	371	SENSORS OR TRANSDUCERS
SEQNAREE	---	SUPPORT EQUIPMENT NARRATIVE
SEQTYAED	399	SUPPORT EQUIPMENT QUANTITY PER ACTIVITY
SERDESAA	376	SERVICE DESIGNATOR CODE
SERDESAI	376	MODELING SERVICE DESIGNATOR CODE
SERDNOEF	416	SUPPORT EQUIPMENT RECOMMENDATION DATA (SERD) NUMBER
SEREFNEA	337	SUPPORT EQUIPMENT REFERENCE NUMBER
SEREQDEA	418	SUPPORT EQUIPMENT REQUIRED
SERICCEA	356	REPORTABLE ITEM CONTROL CODE
SESHPHEA	419	SUPPORT EQUIPMENT SHIPPING HEIGHT
SESHPLEA	419	SUPPORT EQUIPMENT SHIPPING LENGTH
SESHPWEA	419	SUPPORT EQUIPMENT SHIPPING WIDTH
SESHWTEA	420	SUPPORT EQUIPMENT SHIPPING WEIGHT
SEUPGCUN	284	SUPPORT EQUIPMENT UNIT UNDER TEST PARAMETER GROUP CODE
SFPPTDHG	313	SHORT FORM PROVISIONING PARTS LIST (PTD)
SHLIFEHA	377	SHELF LIFE
SHPCONJB	380	SHIPPING CONFIGURATION
SHPDISAJ	085	SHIP DISTANCE
SHWEEMJC	381	SHIPPING WEIGHT EMPTY
SHWELDJC	381	SHIPPING WEIGHT LOADED
SIASCNEA	401	STANDARD INTERSERVICE AGENCY SERIAL CONTROL NUMBER
SKADUMJC	491	SKID AREA UNIT OF MEASURE
SKETCHEA	383	SKETCH
SKLVCDGA	386	SKILL LEVEL CODE
SKSPCDGA	387	SKILL SPECIALTY CODE
SLACTNHA	378	SHELF LIFE ACTION CODE
SLFTSTEA	370	SELF TEST CODE
SMAINCHA	392	SPECIAL MAINTENANCE ITEM CODE
SMDTECCA	237	SECONDARY MEANS DETECTION
SMMNSNHA	253	NSN SPECIAL MATERIAL IDENTIFICATION CODE/MATERIAL MANAGEMENT AGGREGATION CODE
SMRCODHG	389	SOURCE, MAINTENANCE, AND RECOVERABILITY CODE
SMRCSEEA	389	SE SOURCE, MAINTENANCE, AND RECOVERABILITY CODE
SMTBMAEA	230	SUPPORT EQUIPMENT MEAN TIME BETWEEN MAINTENANCE ACTIONS

CODE	DED	DATA ELEMENT TITLE (ROLE NAMED)
SNUMSKJC	264	NUMBER OF SKIDS
SNUUOCXD	375	SERIAL NUMBER USABLE ON CODE
SPARIOEC	284	SUPPORT EQUIPMENT PARAMETER INPUT OUTPUT CODE
SPDATEHF	187	SPI NUMBER JULIAN DATE
SPEMRKHF	394	SPECIAL MARKING CODE
SPINUMHF	396	SPECIAL PACKAGING INSTRUCTION (SPI) NUMBER
SPIREVHF	397	SPI NUMBER REVISION
SPMACCHA	395	SPECIAL MATERIAL CONTENT CODE
SPMGNTEA	393	SPECIAL MANAGEMENT
SPRCAGEK	046	SUPERSEDURE CAGE CODE
SPRFACEA	390	SPARE FACTOR
SPRREFEK	337	SUPERSEDURE REFERENCE NUMBER
SPSPEDJA	400	SPEED
SQPQTYJE	298	SECOND QUARTER PROCUREMENT QUANTITY
SQTKUMCG	491	QUANTITY PER TASK UNIT OF MEASURE
SQTYTKCG	319	QUANTITY PER TASK
SRDREVEF	360	SERD REVISION
SREFNOEM	337	SYSTEM EQUIPMENT REFERENCE NUMBER
SSCOPREA	387	SKILL SPECIALTY CODE FOR SUPPORT EQUIPMENT OPERATOR
SSCTESGB	449	TEST SCORE
SSECDECD	388	SKILL SPECIALTY EVALUATION CODE
STABYTBE	403	STANDBY TIME
STATUSEF	404	SERD STATUS
STOHGTEA	405	STORAGE HEIGHT
STOLENEA	405	STORAGE LENGTH
STOWDTEA	405	STORAGE WIDTH
STOWGTEA	406	STORAGE WEIGHT
SUBMMMCD	226	SUBTASK MEAN MAN-MINUTES
SUBNARCC	372	SEQUENTIAL SUBTASK DESCRIPTION
SUBNUMCB	407	SUBTASK NUMBER
SUBPIDCD	288	SUBTASK PERSON IDENTIFIER
SUBTIDCB	431	SUBTASK IDENTIFICATION
SUBWACCB	514	SUBTASK WORK AREA CODE
SUPCONBA	410	SUPPORT CONCEPT
SUPINDHG	422	SUPPRESSION INDICATOR
SUPITNEK	182	SUPERSEDURE ITEM NAME
SUPPKDHF	409	SUPPLEMENTAL PACKAGING DATA
SUSRNOEK	416	SUPERSEDURE SUPPORT EQUIPMENT RECOMMENDATION DATA (SERD) NUMBER
SUTALLUM	016	SE UUT ALLOWANCE
SUTCAGUM	046	SUPPORT EQUIPMENT UNIT UNDER TEST (SE UUT) CAGE CODE
SUTREFUM	337	SE UNIT UNDER TEST (UUT) REFERENCE NUMBER
SUTSTCUM	036	SE UUT CMRS STATUS
SUTYPEEK	408	SUPERSEDURE TYPE
SYSINDXB	423	SYSTEM/END ITEM IDENTIFIER

- T -

TALCNCBH	019	TASK REQUIREMENT ALTERNATE LCN CODE
TASKCDCA	427	TASK CODE
TASKIDCA	431	TASK IDENTIFICATION
TATYPEBH	433	TASK TYPE
TCONDACA	428	TASK CONDITION A
TCONDBCA	428	TASK CONDITION B

CODE	DED	DATA ELEMENT TITLE (ROLE NAMED)
TCONDCCA	428	TASK CONDITION C
TECEVLEA	435	TECHNICAL EVALUATION PRIORITY CODE
TEMTBFAG	229	REQUIRED TECHNICAL MEAN TIME BETWEEN FAILURE
TEMTBFBD	229	MEAN TIME BETWEEN FAILURES TECHNICAL
TEMTTRAA	236	REQUIRED TECHNICAL MEAN TIME TO REPAIR
TEXSEQAF	450	ADDITIONAL REQUIREMENTS TEXT SEQUENCING CODE
TEXSEQAK	450	SYSTEM END ITEM NARRATIVE TEXT SEQUENCING CODE
TEXSEQBB	450	RAM CHARACTERISTICS NARMTIVE TEXT SEQUENCING CODE
TEXSEQBC	450	RAM LOGISTICS CONSIDERATIONS TEXT SEQUENCING CODE
TEXSEQBG	450	FAILURE MODE NARRATIVE TEXT SEQUENCING CODE
TEXSEQBJ	450	FAILURE MODE INDICATOR MISSION PHASE CHARACTERISTICS NARRATIVE TEXT SEQUENCING CODE
TEXSEQCC	450	SEQUENTIAL SUBTASK DESCRIPTION TEXT SEQUENCING CODE
TEXSEQEE	450	SUPPORT EQUIPMENT NARRATIVE TEXT SEQUENCING CODE
TEXSEQEG	450	SERD REVISION TEXT SEQUENCING CODE
TEXSEQFB	450	FACILITY NARRATIVE TEXT SEQUENCING CODE
TEXSEQFC	450	BASELINE FACILITY NARRATIVE TEXT SEQUENCING CODE
TEXSEQFD	450	NEW OR MODIFIED FACILITY NARRATIVE TEXT SEQUENCING CODE
TEXSEQGC	450″	NEW OR MODIFIED SKILL NARRATIVE TEXT SEQUENCING CODE
TEXSEQGE	450	PHYSICAL AND MENTAL REQUIREMENTS TEXT SEQUENCING CODE
TEXSEQHI	450	PROVISIONING TEXT SEQUENCING CODE
TEXSEQHL	450	PARTS MANUAL TEXT SEQUENCING CODE
TEXSEQJD	450	TRANSPORTED END ITEM NARRATIVE TEXT SEQUENCING CODE
TEXSEQJF	450	TRANSPORTATION NARRATIVE TEXT SEQUENCING CODE
TEXSEQUF	450	UUT EXPLANATION TEXT SEQUENCING CODE
TEXTTOCK	450	SEQUENTIAL SUBTASK DESCRIPTION TEXT SEQUENCING CODE TO
TGSCAGUN	046	TESTING SUPPORT EQUIPMENT (SE) CAGE CODE
TGSREFUN	337	TESTING SE REFERENCE NUMBER
TIMESHAJ	379	SHIP TIME
TINMETAD	280	TURNAROUND INSPECTION MEAN ELAPSED TIME
TINMMHAD	280	TURNAROUND INSPECTION MEAN MAN-HOURS
TLCNTYBH	203	TASK REQUIREMENT LCN TYPE
TLSACNBH	199	TASK REQUIREMENT LCN
TMAMDTAA	223	TECHNICAL MEAN ACTIVE MAINTENANCE DOWNTIME
TMCHGNHK	436	TM CHANGE NUMBER
TMCODEXI	437	TECHNICAL MANUAL (TM) CODE
TMDERCEA	444	TEST MEASUREMENT AND DIAGNOSTIC EQUIPMENT REGISTER CODE
TMDERIEA	445	TEST MEASUREMENT AND DIAGNOSTIC EQUIPMENT REGISTER INDEX NUMBER
TMFGCDHK	438	TM FUNCTIONAL GROUP CODE
TMFGCDXB	438	TECHNICAL MANUAL FUNCTIONAL GROUP CODE
TMINDCHK	439	TM INDENTURE CODE
TMNUMBXI	440	TECHNICAL MANUAL NUMBER
TMRQCDEA	441	TECHNICAL MANUAL REQUIRED CODE(S)
TMTBFMBD	238	MEAN TIME BETWEEN FAILURES TECHNICAL MEASUREMENT BASE
TMTBMAAG	230	REQUIRED TECHNICAL MEAN TIME BETWEEN MAINTENANCE ACTIONS
TMTBMABD	230	MEAN TIME BETWEEN MAINTENANCE ACTIONS TECHNICAL
TMTBMMBD	238	MEAN TIME BETWEEN MAINTENANCE ACTIONS TECHNICAL MEASUREMENT BASE
TOCCODXC	481	SYSTEM/EI TYPE OF CHANGE CODE
TOCCODHG	481	TYPE OF CHANGE CODE
TOSNUMHN	373	S/N PROVISIONING SERIAL NUMBER TO
TOSNUMXD	373	SERIAL NUMBER TO
TOSNUMXE	373	S/N SERIAL NUMBER TO
TOSRNOHQ	374	SERIAL NUMBER EFFECTIVITY TO

NEW PAGE

CODE	pEQ	DATA ELEMENT TITLE (ROLE NAMED)
TOSYSUAA	454	TOTAL SYSTEMS SUPPORTED
TOTICHHP	452	TOTAL ITEM CHANGES
TOTQTYHG	453	TOTAL QUANTITY RECOMMENDED
TPAUCNUE	025	TPI APPORTIONED UNIT COST NONRECURRING
TPAUCRUE	025	TPI APPORTIONED UNIT COST RECURRING
TPICAGUE	046	TEST PROGRAM INSTRUCTION (TPI) CAGE CODE
TPIREFUE	337	TPI REFERENCE NUMBER
TPISRDUE	416	TPI SUPPORT EQUIPMENT RECOMMENDATION DATA NUMBER
TPISTSUE	370	TPI SELF TEST
TPITDPUE	434	TPI TECHNICAL DATA PACKAGE
TPSAUMJC	491	TRACKED PAD SHOE AREA UNIT OF MEASURE
TQPQTYJE	298	THIRD QUARTER PROCUREMENT QUANTITY
TRAFYRJE	145	TRANSPORT FISCAL YEAR
TRANARJF	---	TRANSPORTATION NARRATIVE
TRANCDJF	470	TRANSPORTATION NARRATIVE CODE
TRANCNJB	465	TRANSPORTATION CHARACTERISTIC NUMBER
TRASEIXC	467	TRANSPORTATION END ITEM INDICATOR
TRCHMTJB	464	TRANSPORTATION CHARACTERISTIC MODE TYPE
TRCHRDJA	071	REVISION DATE
TRCHTHJA	451	THEATER OF OPERATION
TRCONMJC	473	TRANSPORTED CONFIGURATION NUMBER
TRDNUMUM	448	SE UUT TEST REQUIREMENTS DOCUMENT NUMBER
TREINCJD	474	TRANSPORTED END ITEM NARRATIVE CODE
TRGRPRJC	456	TRACKED GROUND CONTACT PRESSURE
TRITDRJB	469	TRANSPORTATION ITEM DESIGNATOR
TRNCOSGA	460	TRAINING COST
TRNCSTXA	466	TRANSPORTATION COST
TRNINDJA	468	TRANSPORTATION INDICATOR
TRNLOCCA	461	TRAINING LOCATION RATIONALE CODE
TRNRATCA	462	TRAINING RATIONALE
TRNRECCA	463	TRAINING RECOMMENDATION TYPE
TRNRQCCA	358	TRAINING EQUIPMENT REQUIREMENT CODE
TRNUPTJC	458	TRACKED PADS TOUCHING
TRPSARJC	457	TRACKED PAD SHOE AREA
TRRWWTJC	459	TRACKED ROAD WHEEL WEIGHT
TSCAGECG	046	TASK SUPPORT CAGE CODE
TSEREQCA	358	TOOL/SUPPORT EQUIPMENT REQUIREMENT CODE
TSFROMCK	450	SEQUENTIAL SUBTASK DESCRIPTION TEXT SEQUENCING CODE FROM
TSKALCCI	019	TASK ALTERNATE LCN CODE (ALC)
TSKCRCCA	429	TASK CRITICALITY CODE
TSKFRQCA	430	TASK FREQUENCY
TSKLCNCI	199	TASK LSA CONTROL NUMBER (LCN)
TSKLTYCI	203	TASK LCN TYPE
TSKREMCE	432	TASK REMARK
TSKRRCCE	349	TASK REMARK REFERENCE CODE
TSKTCDCI	427	TASK PROVISION TASK CODE
TSREFNCG	337	TASK SUPPORT REFERENCE NUMBER
TSSCODXA	484	TYPE OF SUPPLY SYSTEM CODE
TSTPTSEA	446	TEST POINTS
TSTLNGEA	443	TEST LANGUAGE
TTASKCBH	427	TASK CODE
TTLPTDHG	313	TOOL AND TEST EQUIPMENT LIST (PTD)
TUIPRCHD	485	UI PRICE TYPE OF PRICE CODE

NEW PAGE

CODE	DED	DATA ELEMENT TITLE (ROLE NAMED)
TUMPRCHE	485	UM PRICE TYPE OF PRICE CODE
TWALFIJC	029	FRONT INSIDE AXLE LENGTH
TWALFOJC	029	FRONT OUTSIDE AXLE LENGTH
TWALRIJC	029	REAR INSIDE AXLE LENGTH
TWALROJC	029	REAR OUTSIDE AXLE LENGTH
TWSPEDJA	455	TOWING SPEED
TYPACTED	399	TYPE OF ACTIVITY
TYPCLSEA	479	TYPE CLASSIFICATION
TYPEEQEA	480	TYPE EQUIPMENT CODE

- U -

UCLEVLHF	487	UNIT CONTAINER LEVEL
UHEIGHHA	496	UNIT SIZE HEIGHT
UICONVHA	489	UNIT OF ISSUE CONVERSION FACTOR
UIPRICHD	490	UNIT OF ISSUE (UI) PRICE
ULENGTHA	496	UNIT SIZE LENGTH
UMNTPLUA	209	UUT MAINTENANCE PLAN NUMBER
UMPRICHE	492	UNIT OF MEASURE (UM) PRICE
UMSEWTEA	491	SE SHIPPING WEIGHT UNIT OF MEASURE
UMSHIPEA	491	SE SHIPPING DIMENSIONS UNIT OF MEASURE
UNICONHF	486	UNIT CONTAINER CODE
UNITISHA	488	UNIT OF ISSUE
UNITMSHA	491	UNIT OF MEASURE
UNPKCUHF	493	UNIT PACK CUBE
UNPKWTHF	495	UNIT PACK WEIGHT
UOCSEIXC	501	USABLE ON CODE
USESEREA	376	USING SERVICE DESIGNATOR CODE
UTALLOUA	016	UUT ALLOWANCE
UTCMRSUB	035	UUT CALIBRATION MEASUREMENT REQUIREMENTS SUMMARY RECOMMENDED CODE
UTEXPLUF	498	UUT EXPLANATION
UTLCNTUA	203	UUT LCN TYPE
UTPWCUN	284	SE UUT PARAMETER ACCURACY
UTPACMUN	034	SE UUT CALIBRATION MEASUREMENT REQUIREMENTS SUMMARY PARAMETER CODE
UTPAIOUN	284	SE UUT PARAMETER INPUT/OUTPUT CODE
UTPAPAUN	284	SE UUT PARAMETER
UTPARVUN	284	SE UUT PARAMETER RANGE/VALUE CODE
UTPATAUN	442	SE UUT PARAMETER TEST ACCURACY RATIO (TAR) ACTUAL
UTPATDUN	442	SE UUT PARAMETER TAR DESIRED
UTPRRTUN	284	SE UUT PARAMETER RANGE TO
UTRATIAE	503	UTILIZATION RATIO
UTRGFRUN	284	UUT PARAMETER RANGE FROM
UTSTCDUB	036	UUT CALIBRATION MEASUREMENT REQUIREMENT SUMMARY STATUS
UTTRDNUA	448	UUT TEST REQUIREMENTS DOCUMENT NUMBER
UTWPRFUA	515	UUT WORK PACKAGE REFERENCE
UUTALCUA	019	UUT ALTERNATE LCN CODE
UUTFA1UH	143	UUT FIRU AMBIGUITY GROUP 1
UUTFA2UH	143	UUT FIRU AMBIGUITY GROUP 2
UUTFP1UH	143	UUT FIRU PERCENT FAILURE 1
UUTFP2UH	143	UUT FIRU PERCENT FAILURE 2
UUTFTDUH	447	UUT FIRU TEST REQUIREMENTS DOCUMENT INDICATOR
UUTLCNUA	199	UUT LSA CONTROL NUMBER (LCN)
UUTPACUG	284	UUT PARAMETER ACCURACY

NEW PAGE

CODE	DED	DATA ELEMENT TITLE (ROLE NAMED)
UUTPARUG	284	UUT PARAMETER
UUTPGCUG	284	UUT PARMMETER GROUP CODE
UUTPIOUG	284	UUT PARAMETER INPUT/OUTPUT CODE
UUTPPCUG	034	UUT CALIBRATION MEASUREMENT REQUIREMENT SUMMARY PARAMETER CODE
UUTPRFUG	284	UUT PARAMETER RANGE FROM
UUTPRTUG	284	UUT PARAMETER RANGE TO
UUTPRVUG	284	UUT PARAMETER RANGE/VALUE CODE
UUTPSOUG	284	UUT PARAMETER OPERATIONAL SPECIFICATION CODE
UUTPTAUG	442	UUT PARAMETER TEST ACCURACY RATIO (TAR) ACTUAL
UUTPTDUG	442	UUT PARAMETER TAR DESIRED
UWEIGHHA	497	UNIT WEIGHT
UWIDTHHA	496	UNIT SIZE WIDTH

- W -

WEOULIBA	505	WEAROUT LIFE
WGTOUMEA	491	OPERATING WEIGHT UNIT OF MEASURE
WGTSUMEA	491	STORAGE WEIGHT UNIT OF MEASURE
WHINPRJC	507	WHEELED INFLATION PRESSURE
WHNUPLJC	508	WHEELED NUMBER OF PLIES
WHNUTIJC	509	WHEELED NUMBER OF TIRES
WHTIFTJC	512	WHEELED TIRE SIZE
WHTLDRJC	510	WHEELED TIRE LOAD RATING
WHTRLOJD	---	TRANSPORTED END ITEM NARRATIVE
WHWEMJC	513	WHEELED WEIGHT RATINGS
WIDUPKHF	494	UNIT PACK WIDTH
WKPKRFUM	515	SE UUT WORK PACKAGE REFERENCE
WOLIMBBA	238	WEAROUT LIFE MEASUREMENT BASE
WPADDRAF	009	ADDITIONAL REQUIREMENTS
WRAPMTHF	517	WRAPPING MATERIAL
WRKUCDHG	516	WORK UNIT CODE
WSOPLVXA	271	OPERATION LEVEL
WSTYAQXA	478	TYPE ACQUISITION

- Y -

YRFLDGEA	518	YEAR OF FIELDING

THIS PAGE INTENTIONALLY LEFT BLANK

APPENDIX E - SECTION 3

DATA ELEMENT DEFINITIONS

001 ACHIEVED AVAILABILITY (A_a) 8 N R 6

The probability that, when used under stated conditions in an ideal support environment, a system will operate satisfactorily at any time. This differs from Inherent Availability only in its inclusion of consideration for preventive action. A_a excludes supply downtime and administrative downtime. The measurement bases for MTBM and M must be consistent when calculating A_a.

A_a may be expressed by the following formula:

$$A_a = \frac{MTBM}{MTBM + M}$$

$$\left(\frac{1}{MTBF} + \frac{1}{MTBM\text{-}ND} + \frac{1}{MTBPM}\right) - 1$$

$$M - \frac{\sum_{i-1}^{N} (ET_i)(TF_i)}{\sum_{i-1}^{N} TF_i}$$

M = Mean active maintenance downtime (where corrective and preventive actions are considered)
ET_i = Elapsed time for task i
TF_i = Task frequency for task i
N - Total number of tasks performed

Note: The measurement bases for MTBF, MTBM-ND, and MTBPM must be consistent when calculating the MTBM parameter.

REQUIRED ACHIEVED AVAILABILITY. An A_a representing the requirement/specification A_a.

002 ACQUISITION DECISION OFFICE 15XL-

Identifies the activity name and code or office symbol responsible for technical and acquisition management decisions.

003 ACQUISITION METHOD CODE (AMC) 1NF-

A code assigned by Department of Defense (DOD) activities to describe the results of screening reviews of parts, defining either a single souzce or

d. CAGE state 2 A F -

e. CAGE nation 20 X L-

f. CAGE postal zone 10 X L-

048 COMMON UNIT UNDER TEST 2 N R -

The number of UUTs with which the adapter, interconnection device or signal conditioning circuitry can be used.

049 COMPENSATING DESIGN PROVISIONS 6 5 X - -

A narrative description identifying design provisions which circumvent or mitigate the effects of the failure. A record of the true behavior of the item in the presence of an internal malfunction or failure. Features of the design at any indenture level that will nullify the effects of a malfunction or failure, control or deactivation system items to halt generation or propagation of failure effects, or activate backup or standby items or systems. Redesign compensating provisions include:

a. Redundant items that allow continued and safe operation.

b, Safety or relief devices such as monitoring or alarm provisions which permit effective operation or limit damage.

c. Alternate models of operation such as backup or standby items or systems.

050 COMPENSATING OPERATOR ACTION PROVISIONS 6 5 X L -

A narrative description describing operator actions to circumvent or mitigate the effect of the postulated failure. Describes the compensating provision that best satisfies the indication(s) observed by an operator when the failure occurs, and the consequences of any probable incorrect action(s) by the operator in response to an abnormal indication,

051 CONCURRENT PRODUCTION CODE (CPC) 1 A F -

A code to indicate if the unit of measure or issue price and lot quantity are based on concurrent production of the spare item with the weapon system/end item production.

Based on concurrent production	Y
Not based on concurrent production	N

UI PRICE CONCURRENT PRODUCTION CODE. The CPC associated with the UI price.

UM PRICE CONCURRENT PRODUCTION CODE. The CPC associated with the UM price.

052 CONTACT TEAM DELAY TIME 3 N R -

The time (in hours) required for a contact team to travel from the intermediate maintenance location to the organizational location.

053 CONTAINER LENGTH 2 N R -

The smallest standard container, in feet, that can be used to transport the system/equipment.

054 CONTAINER TYPE 3 6 X L -

The designation of the standard container used to transport the system/equipment, e.g., ANSI/ISO, European.

055 CONTRACT NUMBER 1 9 X L -

The unique number assigned to the contract in question, by which it can be specifically identified.

SUPPORT EQUIPMENT CONTRACT NUMBER. The contract number of the SE development/procurement.

TRANSPORTATION CONTACT NUMBER. The contract number for shipping.

056 CONTRACTOR FURNISHED EQUIPMENT/ GOVERNMENT FURNISHED EQUIPMENT (CFE/GFE) 1 A F -

A single-position code indicating the contractor's recommendation for supply action.

Contractor Furnished	C
Government Furnished	G

057 CONTRACTOR RECOMMENDED 1 A F -

A code to signify whether or not the corresponding requirements are contractor recommended. Codes are as follows:

YES	"Y"
NO	"N"

058 CONTRACTOR TECHNICAL INFORMATION CODE (CTIC) 2 A - -

A code which indicates specific information regarding the technical process/data required to procure or produce the support item.

a. The first position of the CTIC contains a Breakout Recommendation Code. For a Navy acquisition program the only applicable code is "C", which does not relate to first position code "C" of this DED.

Recommended for Breakout	A
Not Recommended for Breakout - Safety	B
Not Recommended for Breakout - Warranty	C
Not Recommended for Breakout - Unstable Design	D

Technical
Operational

133 FAILURE MODE CRITICALITY NUMBER (Cm) 10 D --

Cm is that portion of the criticality number for an item, which accounts for a specific one of its failure modes under a particular severity classification. For a particular severity classification and operational phase, the Cm for a failure mode may be calculated with the following formula:

$C_m = (B\ a\ F\ t)\ (1{,}000{,}000)$

Where:

C_m = Criticality Number for Failure Mode
B = Failure Effect Probability, DED 130
a = Failure Mode Ratio, DED 136
F = Part Failure Rate, DED 140
t = Operating Time, DED 269

134 FAILURE MODE INDICATOR 4 X F -

The first position of the code describes whether the indicator is a failure mode (F) or damage mode (D). The next three positions of the code are alphanumeric, but not special characters. This four-position code links information on a table to a particular failure or damage mode.

FMT FAILURE MODE INDICATOR. A failure mode indicator against which either a corrective or preventive task is documented.

135 FAILURE MODE INDICATOR MISSION PHASE CHARACTERISTICS NARRATIVE CODE 1 A F -

A code that indicates the failure mode indicator mission phase characteristics narrative.

Compensating design provisions, DED 049	A
Compensating operator actions provisions, DED 050	B

136 FAILURE MODE RATIO *(a)* 4 N R 3

The fraction of the failure rate of the part, related to the particular failure mode under consideration. The failure mode ratio is the probability expressed as a decimal fraction that the part or item will fail in the identified mode. If all potential failure modes of a particular part or item are listed, the sum of the "a" values for the part or item will equal one. Individual failure mode multipliers may be derived from failure rate source data or from test and operational data. If failure mode data are not available, the "a" values represent the analyst's judgment based upon an analysis of the item's functions.

137 FAILURE MODE REMARKS 6 5 X - -

Narrative clarification of data pertaining to failure modes.

138 FAILURE PREDICTABILITY 65X--

Information on known incipient failure indicators (e.g., operational performance variations), which are peculiar to the item failure trends and permit predicting failures in advance.

139 FAILURE PROBABILITY LEVEL 1AF-

A single-position code identifying the qualitative level assigned to the failure probability of occurrence. The levels are as follows:

Level A - Frequent. A high probability *of* occurrences during the item operating time interval. High probability may be defined as a single failure mode probability of occurrence equal to or greater than 0.20 of the overall probability of failure during the item operating time interval. A

Level B - Reasonably Probable. A moderate probability of occurrence during the item operating time interval. Reasonably probable may be defined as a single failure mode probability of occurrence which is 0.10 or more, but less than 0.20 of the overall probability of failure during the item operating time interval. B

Level C - Occasional. An occasional probability of occurrence during item operating time interval. Occasional probability may be defined as a single failure mode probability of occurrence which is 0.01 or more, but less than 0.10 of the overall probability of failure during the item operating time. C

Level D - Remote. An unlikely probability of occurrence during item operating time interval. Remote probability may be defined as a single failure mode probability of occurrence which is 0.001 or more, but less than 0.01 of the overall probability of failure during the item operating time. D

Level E - Extremely Unlikely. A failure whose probability of occurrence is essentially zero during item operating time interval. Extremely unlikely may be defined as a single failure mode probability of occurrence, which is less than 0.001 of the overall probability of failure during the item operating time. E

140 FAILURE RATE 10D--

Option 3. Indentured with a "Z" and listed as a bulk item at the end of the provisioning list.

Option 4. All parts indicated on drawing will be listed in the breakdown in proper indenture without specific identification that the parts are utilized as "attaching parts".

Option 5. Attaching hardware need not be listed.

b. Indenture for kits. Whether or not kits will be included in the provisioning parts list (PPL) will be indicated on the LSAR Data Requirements Form (DD Form 1949-3). When maintenance plans/ practices require that a group of parts be replaced in one maintenance or overhaul operation, these items shall be listed as a kit IAW with one of the following options:

Option 1. Kits shall be assigned an indenture lower than the subassembly/assembly/component/end item for which it is used and parts of the kit shall be identified by entering an asterisk.

Option 2. The kit reference number shall be listed at the end of the subassembly/assembly/component/end item breakdown.

Option 3. All kit parts shall be listed in the PPL in proper indenture without specific identification that the parts are kit components. The kit part number is to be listed as the last item of the applicable next higher assembly, end item/assembly/subassembly breakdown.

163 INDUSTRIAL MATERIALS ANALYSIS OF CAPACITY (IMAC) 19 X L-

A series of codes, per MIL-STD-295, applied to identify and track selected forms and parts which are critical due to material content or other industrial planning impacts. The IMAC Code contains three subfields, i.e., item category (form, mechanical part, electrical part, etc.), item characteristics, and the strategic/critical materials contained in the item.

a. IMAC Category 1AF-

b. IMAC Characteristics 12XL-

C. IMAC Materials 6XL-

164 INHERENT AVAILABILITY (A_i) 8NR6

The probability that, when used under stated conditions in an ideal support environment without consideration for preventive action, a system will operate satisfactorily at any time. The "ideal support environment" referred to, exists when the stipulated tools, parts, skilled manpower, manuals, SE and other support items required are available. A_i excludes whatever ready time, preventive maintenance downtime, supply downtime, and administrative downtime may require. A_i may be expressed by the following formula:

$$A_i = \frac{MTBF}{MTBF+MTTR}$$

where MTBF - Mean Time Between Failures, DED 229

MTTR - Mean Time To Repair, DED 236

NOTE: The measurement bases for MTBF and MTTR must be consistent when calculating A_i.

REQUIRED INHERENT AVAILABILITY. An A_i representing the requirement/ specification A_i.

165 INHERENT MAINTENANCE FACTOR 2 N R 1

A factor derived from historical information, that identifies the percent of No Defect maintenance actions that have been included in the MTBM Inherent parameter. This factor is used to relate the MTBM Inherent parameter to the MTBF parameter. The IMF may be calculated using the following formula:

IMF = ((MTBF-MTBM INHERENT)/MTBF)100
where:
MTBF = Mean Time Between Failures, DED 229
MTBM Inherent - Mean Time Between Maintenance Inherent, DED 232

66 INITIAL BIN COST 4 N R -

The initial cost in, whole dollars, of entering an item into the retail supply system. This includes the administrative cost of setting up a bin for the item at the wholesale supply point.

167 INITIAL CATALOGING COST 4 N R -

The initial cost of in, whole dollars, of entering a new item into the wholesale supply system. This is generally considered to be the cost of screening the item and assigning an NSN.

168 INPUT POWER SOURCE 25X-AS

The operating power requirements necessary for the TMDE to function and operate properly. Consists of the following subfields.

a. Operating Range, 6 N - -

The voltage range which the Test Measurement and Diagnostic Equipment (TMDE) requires to function properly. Subfields are:

(1) Minimum 3 N R -

The minimum voltage which the TMDE requires to function properly.

(2) Maximun 3 N R -

Electromagnetic sensitive item	L
Facilities	U
System peculiar spare part	AA
Maintenance significant consumable	AB
Modified hand tool	AC
Maintenance assist module	AD
Attaching hardware	AE
Training Equipment	AF

178 ITEM CRITICALITY NUMBER (C_r) 10 D --

The sum of the Failure Mode Criticality Numbers related to the failure modes of an item within specific severity classifications and mission phases . The following formula may be used to calculate Item C_r:

$$C_r = \sum_{n=1}^{j} (C_m)n \qquad n=1,2,3 \ldots ..j$$

where
C_r = Criticality number for the item
C_m = Failure mode criticality number, DED 133
n = The failure modes in the items that fall under a particular severity classification/mission phase combination
j = Last failure mode in the item under the severity classification/mission phase combination

179 ITEM DESIGNATOR CODE 26X - -

A part of nomenclature which provides a method for identifying equipment, usually by broad performance and use characteristics and general configuration. It is a data chain consisting of all or part of the data elements type, model, and series designators, in that order. A suffix may be added for use with the Joint Electronics Type Designation System, Instructions for coding the type, model, and series designators are contained in MIL-STD-482, appendix II, CM51 and consists of the following subfields:

a. Type designator 7XL -

A broad categorization of equipment based upon function or use.

b. Model designator IOXL -

Identifies equipment within a particular type designator having essentially the same performance characteristics.

c. Series designator 2XL -

Identifies equipment within a particular model designator having the same basic design, but not necessarily the same configuration.

d. Suffix designator 7XL -

supplemental information used with type, model series designators for items using the Joint Electronics Type Designation Systems, Instructions for coding suffix designator can be found in the following publications:

MIL-STD-155	Joint Photographic Type Designation System
MIL-STD-196	Joint Electronics Type Designations System
MIL-STD-815	Designation System for Liquid, Solid and Liquid-solid (Hybrid) Propellant Rocket Engines and Motor
MIL-STD-875	Type Designation System for Aeronautical and Support Equipment
MIL-STD-879	Designation for Aircraft Propulsion Gas Turbine Engines
AR 700-26 NAVAIRINST 13100.3 AFR 66-11	Designating and Naming Military Aircraft
AR 70-50 NAVMATINST 8800.4 AFR 82-5	Designating and Naming Defense Equipment, Rockets, and Guided Missiles
ANA Bulletin 306	Engines, Aircraft Reciprocating, Designation of
ANA Bulletin 395	Naval Ordnance Requirements, Mark and Mod Nomenclature System

END ARTICLE ITEM DESIGNATOR. The item designator code of the end article used in the 070 Report.

SYSTEM EQUIPMENT ITEM DESIGNATOR. The item designator code of the system equipment item,

SYSTEM/EI ITEM DESIGNATOR CODE. The item designator code of the system/ end item.

180 ITEM FUNCTION 65X--

A narrative description identifying the function, specifications, and tolerances of the-item under analysis (e.g., supply 10 gallons per minute of hydraulic fluid at 3,000 psi for normal activation of pilot's canopy, hose , main landing gear extension, wheel brakes, and flap extension).

181 ITEM MANAGEMENT CODE (IMC) 1AF-

A single character indicating whether an item of supply shall be subject to integrated management or shall be retained by the individual military

Narrative specifying any limitations on the end item when dispatched on its assigned mission with the analysis item inoperative.

245 MINIMUM REPLACEMENT UNIT (MRU) 3 N R -

A minimum replacement unit quantity indicating the minimum quantity of an item that is normally replaced/installed upon failure or scheduled replacement.

246 MISSION PHASE CODE (MPC) 1 X F -

A one-position code developed by the performing activity that uniquely identifies a Mission Phase/Operational Mode, DED 247. Codes are A-Z, 0-9 and *. The asterisk indicates that the information contained for a particular item is applicable to all mission phases.

247 MISSION PHASE/OPERATIONAL MODE 6 5 X - -

A concise statement of the mission phase/operational mode in which the failure occurs. Where subphase, event, or time can be defined from the system definition and mission profiles, the most definitive timing information should also be described for the assumed time of failure occurrence.

248 MOBILE FACILITY CODE 1 A F -

A code which expresses the applicability of the SE to mobile facilities. The following codes may be used:

SE required for mobile facility only	V
SE not suitable for mobile facilities	X
Support not restricted to mobile facilities or other site categories	N

249 MOBILITY TYPE 1 A F -

A code which indicates the system/equipment type of mobility.

Skid	A
Tracked	B
Wheeled	C

250 MODEL LOAD (HIGHWAY) 1 A F -

The payload capacity of the transporter (truck, trailer, etc.)

Less than 5-ton payload capacity	A
Five-ton to 10-ton payload capacity	B
Greater than 10-ton payload capacity	C

251 MODEL TYPE (HIGHWAY) 1 9 X L -

The model type and number of the transporter.

Supervision required - A	YorN
Precision required - B	YorN
Time standard - C	YorN

288 PERSON IDENTIFIER 3XL-

A three-position code identifying each person required to perform the subtask (codes "A" through "999"). Within a task, a given Person ID relates to a specific "Job" and a specific Skill Specialty Code.

289 PERSONNEL TURNOVER RATE 4N - AS

The portion of personnel, expressed in percent per year, leaving their SSC which will be replaced by new personnel requiring training.

a. Military 2NR-

The military turnover rate.

b. Civilian 2NR-

The civilian turnover rate.

290 PHYSICAL AND MENTAL REQUIREMENTS 65X--

A narrative description identifying any unique physical or mental personnel attributes required or recommended as prerequisites to full qualification in the applicable task.

291 PHYSICAL SECURITY/PILFERAGE CODE 1XF-

A code which indicates the security classification or pilferage control for physical assets. For applicable codes, see DOD 4100.38-M.

292 PILOT REWORK/OVERHAUL CANDIDATE 1AF-

A code indicating selection status of certain complex assemblies/components considered for pilot rework/overhaul (PR/0) as part of the preoperational support program.

Item is nominated for PR/O program	Y
Item is not nominated for PR/O program	N
Item is approved as an PR/O candidate by the requiring authority	A

Items nominated are those which require additional skills, training, support and test equipment, facilities, and technical data to ensure a rework/overhaul capacity concurrent with government support of the end item. Consideration shall be given to both intermediate rework and depot level overhaul items.

293 PRECIOUS METAL INDICATOR CODE (PMIC) 1XF-

Supervision required - A	YorN
Precision required - B	YorN
Time standard - C	YorN

288 PERSON IDENTIFIER 3XL-

A three-position code identifying each person required to perform the subtask (codes "A" through "999"). Within a task, a given Person ID relates to a specific "Job" and a specific Skill Specialty Code.

289 PERSONNEL TURNOVER RATE 4N - AS

The portion of personnel, expressed in percent per year, leaving their SSC which will be replaced by new personnel requiring training.

a. Military 2NR-

The military turnover rate.

b. Civilian 2NR-

The civilian turnover rate.

290 PHYSICAL AND MENTAL REQUIREMENTS 65X--

A narrative description identifying any unique physical or mental personnel attributes required or recommended as prerequisites to full qualification in the applicable task.

291 PHYSICAL SECURITY/PILFERAGE CODE 1XF-

A code which indicates the security classification or pilferage control for physical assets. For applicable codes, see DOD 4100.38-M.

292 PILOT REWORK/OVERHAUL CANDIDATE 1AF-

A code indicating selection status of certain complex assemblies/components considered for pilot rework/overhaul (PR/0) as part of the preoperational support program.

Item is nominated for PR/O program	Y
Item is not nominated for PR/O program	N
Item is approved as an PR/O candidate by the requiring authority	A

Items nominated are those which require additional skills, training, support and test equipment, facilities, and technical data to ensure a rework/overhaul capacity concurrent with government support of the end item. Consideration shall be given to both intermediate rework and depot level overhaul items.

293 PRECIOUS METAL INDICATOR CODE (PMIC) 1XF-

A code which indicates the amount and type of precious metal contained in a specific reference numbered item. For applicable codes, see DOD 4100.38-M.

294 PREPARING ACTIVITY 25XL-

The name of the activity preparing SE data.

295 PRESERVATION MATERIAL CODE 2XF-

A code which indicates the material used to prevent or inhibit corrosion or deterioration of an item. For applicable codes, see MIL-STD-2073 series.

296 PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS) INDICATOR CODE 1AF-

A code which indicates whether or not the task code is applicable to the PMCS tables.

Task is applicable to PMCS table	Y
Task is not applicable to PMCS table	N

297 PRIOR ITEM PROVISIONING LIST ITEM SEQUENCE NUMBER (PRIOR ITEM PLISN) 5XL-

The PLISN which appeared on the Interim Support Items List, the Long Lead Times Items List, or first appearance of item in incremental pro visioing submittals.

298 PROCUREMENT QUANTITY 3NR-

The number of systems/equipment being procured.

299 PRODUCTION LEAD TIME (PLT) 2NR-

The computed or expected time interval in months between placement of a new contract and shipment of the first deliverable quantity.

300 PRODUCTIVITY FACTOR 3NR2

This factor is used to account for nonproductive time and has the effect of increasing manpower requirements for performing maintenance. For instance, if the soldier's scheduled work day is 8 hours, he may only be available for 6 hours to do maintenance due to other duty assignments, in this case, the productivity factor is ((8-6)/8) + 1 - 1.25.

301 PROGRAM ELEMENT 3XL-

A code consisting of up to three alphanumeric characters identifying the applicable SE program element specified by the requiring authority.

302 PROGRAM PARTS SELECTION LIST (PPS-L) 1 A F -

A code indicating whether the part is included within contractually controlled Federal Supply Classes (FSC), as outlined in MIL-STD-965, Parts Control Program. Codes assigned are as follows:

Part is included in contractually controlled FSCs and approved for use in PPSL	A
Part is included in contractually controlled FSCs and not approved for use in PPSL	N

303 PROGRAM SUPPORT INVENTORY CONTROL POINT 2 X F -

A government code to identify the service supporting Inventory Control Point (ICP) where the using SE weapon/inventory manager is located. Codes are as follows:

Service/Agency	ICP	Code
Marine Corps	Marine Corps Logistics Base, Albany, GA	PA
USAF	Sacramento ALC, CA	TA
	Warner Robins ALC, Robins AFB, GA	TG
	San Antonio ALC, Kelly AFB, TX	SE
	Ogden ALC, Hill AFB, UT	SU
	Oklahoma City ALC, Tinker AFB, OK	SX
	AF Cryptologic Support Center (ESC), San Antonio, TX	SJ
Army	Communications and Electronics Materiel Readiness Command, Fort Monmouth, NJ	CL
	Tank Automotive Command, Warren, MI	AZ
	Missile Command, Redstone Arsenal, AL	BD
	Armament Munitions & Chemical Command Rock Island, IL	BF
	Aviations Systems Command, St. Louis, MO	CT
	Troop Support Command, St. Louis, MO	AJ
	COMSEC Logistics Activity, Fort Huachuca, AZ	CM
Navy	Ships Parts Control Center, Mechanicsburg, PA	HD
	Aviation Supply Office, Philadelphia, PA	KE
FAA	Mike Monroney Aeronautical Center Oklahoma City, OK	48

304 PROPER SHIPPING NAME 60 X L -

The proper shipping name of the item to be transported, if this name is categorized as a hazardous material (e.g., CFR 49, UNTDF).

1A1	ABC	0003	0003
1A1 R1	PDQ	0003	0006
1A1 R2	PDQ	0003	REF
1A1 MP2	XYZ	0006	0006
1A2	ABC	0000	REFX
1A3	ABC	0000	REFX

2. For nonreference designation oriented equipment:

Indenture Code	Reference No.	QTY-ASSY	QTY-EI
B	ABC	*0001*	0003
C	PDQ	0003	0006
C	PDQ	0003	REF
C	XYZ	0006	0006
B	ABC	0001	REFX
B	ABC	0001	REFX

The following formula applies to option 2:

$$QTY/EI = \sum_{i-1}^{N} E \; QTY/ASSY_i$$

Where:
N - Number of applications for unique part
i = Application of unique part

Option 3. The QTY/EI shall be entered only on the first appearance of the line item on the list for system/equipment for which the list is prepared, and should equal the total number of appearances of the item in that system/equipment (all appearances of an item may not appear on the list). Subsequent appearances of the same assembly or subassembly should be indicated by printing "REFX" in positions 1-4. Subsequent appearances of the same repair part (i.e., a part which has no lower indentured parts) should be indicated by printing the letters "REF" in positions 1-3. This option can only be used with option 3 of the QTY/ASSY.

The following formula applies to option 3:

$$QTY/EI = \sum_{i=1}^{N} E \left[\left[\prod_{j=1}^{M} QTY/ASSY_j \right]_i + \sum_{k=l}^{P-1} E \left[\prod_{1=1}^{Q} QTY/ASSY_1 \right] k \right] i$$

Where:
N = Number of applications of unique part (first appearance of NHA only)
i = Application of unique part
M = Number of indenture levels
j = Indenture level of application at first appearance
P = Number of applications of unique assembly containing unique part

Officer	AR 611-101	NAVPERS 15839	AFR 36-1	MCO P 1200.7
Warrant Officer	AR 611-112	NAVPERS 15839	- - -	MCO P 1200.7
Enlisted	AR 611-201	NAVPERS 18068D	AFR 39-1	MCO P 1200.7

Civilian: DA CPR 502, AFR 36-1, AFR 39-1
FPM Supplement 512-1, Civil Service Commission, Job Grading Standard

SKILL SPECIALTY CODE FOR SUPPORT EQUIPMENT OPERATOR. The SSC required to operate the SE under analysis.

388 SKILL SPECIALTY EVALUATION CODE 1 A F -

A single-position code denoting the adequacy of the identified SSC with regard to the specific skills and knowledge required to accomplish the identical task. Used as a flag to indicate the requirement for additional training.

SSC is adequate	A
SSC needs modification (additional training)	M
New SSC should be established	E

389 SOURCE, MAINTENANCE AND RECOVERABILITY CODE (SMR) 6 X L -

SMR codes are a series of alpha or alphanumeric symbols used at the time of provisioning to indicate the source of supply of an item, its maintenance implications, and recoverability characteristics. The provisioning activity may require the contractor to recommend these codes.

a. Source Codes. These codes are assigned to support items to indicate the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second position of the Uniform SMR Code. Applicable codes are as follows:

Definition	Code
Item procured and stocked for anticipated or known usage.	PA
Item procured and stocked for insurance purposes because essentiality dictates that a minimum quantity be available in the supply systems.	PB
Item procured and stocked and which otherwise would be coded PA except that it is deteriorative in nature.	PC
Support item, excluding support equipment,	PD

procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or outfittings. Not subject to automatic replenishment.	
Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.	PE
Support equipment which will not be stocked but which will be centrally procured on demand.	PF
Item procured and stocked to provide for sustained support for the life of the equipment. It is applied to an item peculiar to the equipment which because of probable discontinuance or shutdown of production facilities would prove uneconomical to reproduce at a later time.	PG
An item of depot overhaul/repair kit and not purchased separately. Depot kit defined as a kit that provides items required at the time of overhaul or repair.	KD
An item of a maintenance kit and not purchased separately. Maintenance kit defined as a kit that provides an item that can be replaced at organizational or intermediate levels of maintenance.	KF
Item included in both a depot overhaul/repair kit and a maintenance kit.	
Item to be manufactured or fabricated at organizational level.	MO
Item to be manufactured or fabricated at intermediate maintenance levels. Air Force-Intermediate(*) Marine Corps-3rd Echelon Army-Direct Support(*) Navy-Afloat	MF
Item to be manufactured or fabricated at intermediate maintenance levels. Air Force-Intermediate(*) Marine Corps-4th Echelon Army-General Support(*) Navy-Ashore	MH
Item to be manufactured or fabricated at both afloat and ashore intermediate maintenance levels-Navy use only.	MG
Item to be manufactured or fabricated at depot maintenance level.	MD
Item to be assembled at organizational level.	AO

Application/Explanation	Code
Item to be assembled at intermediate maintenance levels. Air Force-Intermediate(*) Marine Corps-3rd Echelon Army-Direct Support(*) Navy-Afloat	AF
Item to be assembled at intermediate maintenance levels. Air Force-Intermediate(*) Marine Corps-4th Echelon Army-General Support(*) Navy-Ashore	AH
Item to be assembled at both afloat and ashore intermediate maintenance level-Navy use only.	AG
Item to be assembled at depot maintenance levels	AD
Item is not procured or stocked becuase the requirements for the item will result in the replacement of the next higher assembly.	XA
Item is not procured or stocked. If not available through salvage, requisition.	XB
Installation drawing, diagram, instruction sheet, field service drawing, that is identified by manufacturer' s part number.	xc

(*) NOTE: For USAF and the USA Safeguard Program, only Code "F" will be used to denote intermediate maintenance. On joint programs, use of either code "F" or "H" by the joining service will denote intermediate maintenance to USAF and the USA Safeguard Program.

b. Maintenance codes. These codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth position of the Uniform SMR Code. Applicable codes are as follows:

USE (Third Position): The maintenance code entered in the third position will indicate the LOWEST maintenance level authorized to remove, replace, and use the support item. The decision to code the item for removal and replacement at the indicated maintenance level will require that all capabilities necessary to install and ensure proper operation after installation of a replacement item (i.e., preinstallation inspection, testing, and post-installation checkout) are provided. The maintenance code, entered in the third position, will indicate one of the following levels of maintenance.

Application/Explanation	Code
Support item is removed, replaced, used at the organizational level of maintenance.	0
Note (l): To distinguish between the organizational maintenance capabilities on different classes of ships, the following codes may be used intra-Navy	

only. On joint programs, Navy will receive and transmit an O to indicate organizational maintenance level.
2-Minesweeper, Yardcraft, Patrol Boat
3-Submarines
4-Auxiliary/Amphibious Ships
5-Major Combatant (Destroyer, Frigate)
6-Major Combatant (Cruiser, Carrier)

Note (2): On Army programs, a code of "C" may be used in the third position to denote crew or operator maintenance performed within organizational maintenance. On joint programs, the Army will receive or transmit an O to indicate organizational level .

Support item is removed, replaced, used at the following intermediate levels.
USAF-Intermediate (*)
USA-Direct Support (*)
USN-Afloat
USMC-Third Echelon — F

Support item is removed, replaced, used at both afloat and ashore intermediate levels:
Navy only — G

Support item is removed, replaced, used at the following intermediate levels:
USAF-Intermediate (*)
USA-General Support (*)
USN-Ashore (only)
USMC-Fourth Echelon — H

* Note: For the USAF program and USA Safeguard program, Code F will be used to denote intermediate maintenance. On joint programs, use of either Code F or H by the joining service will denote intermediate maintenance to USAF and the USA Safeguard program.

Support Items that are removed, replaced, used at Depot only:
USAF-Depot, Mobile Depot, and Specialized Repair Activity
USA-Depot, Mobile Depot, Specialized Repair Activity
USN-Aviation Rework, Avionics and Ordnance Facilities, Shipyards
USMC-Depot

REPAIR (Fourth Position): The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). The decision to code the support item for repair at the indicated maintenance levels requires that

all maintenance capability (remove, replace, repair, assemble, and test) for the support items be provided to that level. This does not preclude some repair which may be accomplished at a lower level of maintenance. However, because of service differences in communicating maintenance repair level information, a maintenance code entry fn this position is not required by all services. When a maintenance code is not used, a dash (-) sign will be entered. For multi-semice equipment/systems, or when a code is entered, this position will contain one of the following maintenance codes as assigned by the service(s) that require the code:

Application/Explanation	Code
The lowest maintenance level capable of complete repair of the support item is the organizational level. Note: To distinguish between the organizational maintenance capabilities on different classes of ships, the following codes may be used intra-Navy only. On joint programs, Navy will receive and transmit an O to indicate organizational maintenance level. 2-Minesweeper, Yardcraft, Patrol Boat 3-Submarines 4-Auxiliary/Amphibious Ships 5-Major Combatant (Destroyer, Frigate) 6-Major Combatant (Cruiser, Carrier)	O
The lowest maintenance level capable of complete repair of the support item is the following intermediate level: USAF-Intermediate (*) USA-Direct Support (*) USN-Afloat USMC-Third Echelon	F
The lowest maintenance level capable of complete repair of the support item is the following intermediate level: USAF-Intermediate (*) USA-General Support (*) USN-Ashore (Only) USMC-Fourth Echelon * Note: For USAF program and the USA safeguard program, Code F will be used to denote intermediate maintenance. On joint programs, use of either Codes F or H by the joining service will denote intermediate maintenance to USAF and the USA Safeguard program.	H
Both afloat and ashore intermediate levels are capable of complete repair of support item: Navy only.	G

NEW PAGE

The lowest maintenance level capable of complete repair of the support item is the depot level: USAF-Depot, Mobile Depot, and Specialized Repair Activity USA-Depot, Mobile Depot, Specialized Repair Activity USN-Aviation Rework, Avionics, and Ordnance Facilities, Shipyards USMC-Depot	D
Repair restricted to designated Specialized Repair Activity.	L
Nonreparable. No repair is authorized.	**Z**
No repair is authorized. The item may be reconditioned by adjusting, lubricating, etc. , at the user level. No parts or special tools are procured for the maintenance of this item.	B

c. Recoverability Codes. These codes are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the Uniform SMR Code. Applicable codes are as follows:

Definition	Code
Nonreparable item. When unserviceable, condemn and dispose at the level indicated in column 3.	Z
Reparable item. When uneconomically repairable, Condemn and dispose at organizational level.	0
Reparable item. When uneconomically repairable, condemn and dispose at the following intermediate levels: USAF-Intermediate (*) USA-Direct Support (*) USN-Afloat USMC-Third Echelon	F
Reparable item. When uneconomically repairable, condemn and dispose at the following intermediate levels: USAF-Intermediate (*) USA-General Support (*) USN-Ashore USMC-Forth Echelon	H

* Note: For USAF program and the USA safeguard program, Code F will be used to denote intermediate maintenance. On joint programs, use of either Codes F or H by the joining service will denote intermediate maintenance to USAF and the USA Safeguard program.

Reparable item. When beyond lower-level repair capability, return to depot. Condemnation and disposal not authorized below depot level.	D
Reparable item. Repair, condemnation, and disposal not authorized below depot/Specialized Repair Activity level.	L
Item requires special handling or condemnation procedures because of specific reasons (i.e., precious metal content, high-dollar value, critical material, or hazardous material). Refer to appropriate manuals/directives for specific instructions.	A

d. Service Peculiar Codes. These codes are peculiar to each service/program and are assigned accordingly. These codes are entered in the sixth position of the Uniform SMR Code.

SE SOURCE, MAINTENANCE AND RECOVERABILIY CODE. The SMR of the support equipment under analysis.

390 SPARE FACTOR 4 X F -

A specific quantity or percentage developed to guide the government's determination of requirements (procurement of end items over and above operational quantities) to provide replacement for an item(s) subject to damage, survey/disposal. An example follows:

A specific quantity	QXXX
Percentage of operational assets quantity (for consumables only)	PXXX
No spares required	QOOO

391 SPARES ACQUISITION INTEGRATED WITH PRODUCTION (SAIP) 1 A F -

An alphabetic code indicating that the item is a candidate for an SAIP list.

Item is an SAIP list candidate	Y
Item is not an SAIP list candidate	blank

392 SPECIAL MAINTENANCE ITEM CODE (SMIC) 1 A F -

A code which indicates any special maintenance category applicable to the line item. Codes assigned are as follows:

Nonrepairable	A
Factory repairable	B
Matched set	C
Select at test	D
MAMS (Maintenance Assistance Modules). An item authorized or recommended by the government/ contractor for procurement and location with the end item as the sole means of fault isolation in the event of failure. Contractor recommendations shall be IAW the maintenance philosophy approved by the government. (e.g., modules employed in diagnostic circuitry used for "built-in" fault isolation).	F
Remain in Place. A repairable item which, upon removal without an immediate replacement, would: a. Destroy structural integrity; b. Endanger operating or maintenance personnel; or, c. If partially degraded, cause total &grad- ation of an essential function of the end item.	
Safety. An item which, upon failure, would jeopardize the direct safety of operating or maintenance personnel.	H

393 SPECIAL MANAGEMENT 1 A F -

A code to flag an SE end item for special management attention. Codes are as follows:

Management Concern	Code	Criteria
Time	T	SE end item will not be available concurrently with end article, SE ILS, or the development lead time is excessive.
Price	P	SERD identified development prices or recurring unit price are sub-

		tantially above the average SE end item.
State of the art	A	SE end item is state-of-the-art and required the development of an end item specification/ requires reliability qualification.
Safety	S	SE end item is proposed to correct a safety defect.
Mission essentiality	M	SE end item is essential to conduct of the end article's mission.
	N	Not applicable

394 SPECIAL MARKING CODE 2 X F -

A code which identifies special markings which are required as an integral part of the total pack to protect the contained item during preservation, packing, storage, transit, and removal from the pack. For applicable codes, see MIL-STD-2073-1 and MIL-STD-2073-2.

395 SPECIAL MATERIAL CONTENT CODE (SMCC) 1 X F -

A cede indicating that an item represents or contains peculiar material requiring special treatment, precautions, or management control of the item (see DOD 4100.38-M for applicable codes).

396 SPECIAL PACKAGING INSTRUCTION NUMBER 1 0 X L -

A number which identifies a specific special packaging instruction prepared IAW MIL-STD-2073-1 and MIL-STD-2073-2.

397 SPECIAL PACKAGING INSTRUCTION (SPI) NUMBER REVISION 1 A F -

A code which identifies the SPI revision.

Codes A through Z

398 SPECIALIZED SERVICE AND EQUIPMENT REQUIREMENTS 6 5 X - -

Narrative information concerning the requirements for special rail cars, highway vehicles, or material handling equipment such as spreader bars or slings.

399 SPECIFIC AUTHORIZATION 7 1 X - -

Identifies the type of activity, number of type activities, and the quantity of support/test equipment or training material which is to be

supported at each activity. Unless otherwise advised by the requiring authority, the support period shall be for one year beginning with the scheduled delivery of the first end item. This shall be confirmed or changed by the government. Consists of the following subfields:

a. Number of activities 3 N R -

The specific number of activities of a type (e.g., 6 depots, 2 squadrons).

b. Type of activity 1 5 X L -

The activities by type. Examples of these activities are: training, specialized repair activity, depot, etc. , including preoperational activities whose allowances are not derived from the Basis of Issue.

c. Name/location of activity 5 0 X L -

The name and location of the activity to be allocated support equipment to include the activity address indicator.

d. Quantity per activity 3 N R -

The quantity of support/test equipment or training materiel to be provided to each activity.

400 SPEED 3 N R -

The maximum speed of the system/equipment in miles per hour.

401 STANDARD INTERSERVICE AGENCY SERIAL CONTROL NUMBER (SIASCN) 7 X F -

A seven-position alphanumeric code assigned to executive service managed items in support of provisioning of multiservice systems and equipment. The SIASCN is assigned to all items which require NSN assignment/ supported service(s) user registration. The SIASCN is composed of a specific alphabetic prefix designating the executive service Inventory Control Point (ICP) followed by six numeric characters as specified by the requiring authority. Alphabetic prefixes have been assigned to specific ICPs as follows:

Service/Agency	ICP Managing Activity	Prefix
Marine Corps	Marine Corps Logistics Base, Albany, GA	A
U.S. Air Force	Sacramento ALC, CA	B
	Warner Robins ALC, Robins AFB, GA	C
	San Antonio ALC, Kelly AFB, TX	D
	Ogden ALC, Hill AFB, UT	E
	Oklahoma City ALC, Tinker AFB, OK	F
	AF Cryptologic Support Center (ESC), San Antonio, TX	J

Partial Mission Capable. Performance of the maintenance task degrades the mission capability of the system. To be in Partial Mission Capable status the system must have the capability to perform at least one war time mission. Systems with no wartime mission must be able to perform any one mission to be in this status.

Partial Mission Capable D

System Inoperable During Equipment Maintenance. During the performance of the maintenance task the system is not available to perform all normal operations .

System Inoperable during Equipment Maintenance A

System Operable During Equipment Maintenance. During performance of the maintenance task the system is available to perform normal operations.

System Operable during Equipment Maintenance B

Not Mission Capable. During performance of the maintenance task the system cannot perform any wartime mission. Systems which have no wartime mission must not be capable of performing any mission in order to be in the Not Mission Capable status.

Not Mission Capable E

Off Equipment Maintenance. Maintenance task is performed after the item under analysis has been removed from the system.

Off Equipment Maintenance G

Turnaround. Performance of the maintenance task occurs during normal turnaround operations and does not affect the operability of the system.

Turnaround F

f. Task Sequence Code 2 X F -

A two-position code assigned to each task. If the combination of the previous task code fields (task function, task interval, service designator, O/M level, and Operability Code) are unique, the entry will be "AA". If the first five fields are duplicated, within an LCN/ALC combination, the follow-on task sequence codes will be AB through 99 to differentiate the tasks.

REFERENCED TASK CODE. A task code that contains referenced task information.

REFERENCED SUBTASK TASK CODE. A task code that contains referenced subtask information.

TASK PROVISION TASK CODE. A task code of the item under analysis.

428 TASK CONDITION 3 A L -

Indicator that special considerations must be taken into account during analysis of the task.

TM/Technical Order use not feasible (inadequate lighting, space constraints, or time constraints) - A	Y or N
TMDE/ATE/BIT/BITE required - B	Y or N
Special tools required - C	Y or N

429 TASK CRITICALITY 1 A F -

A single-position code keyed to task level entries in sequential descriptions and used to indicate whether or not the task is critical. A task is critical if failure to accomplish it IAW system requirements would result in adverse effects on system reliability, efficiency, effectiveness, safety, or cost. A task will also be designated as critical whenever system design characteristics approach human limitations, and thereby, significantly increase the likelihood of degraded, delayed, or otherwise impaired mission performance.

Critical	Y
Not critical	N

430 TASK FREQUENCY 7 N R 4

The frequency of performance or occurrence of the task identified by the task code and expressed as the number of annual occurrences. For corrective tasks the following formula applies:

$$TF = \left[\sum_{j=1}^{M} \left[\sum_{i=1}^{N} FM\ Ratio_i \left(FR + \frac{1}{MTMB\text{-}IN} + \frac{1}{MTMB\text{-}ND}\right) X\ CON\ FAC \right] \right] X\ AOR$$

Where:
- TF = Task frequency
- FM Ratio = Failure mode ratio, DED 136
- FR = Failure rate, DED 140
- MTBM -IN = Mean time between Maintenance (induced), DED 231
- MTBM -ND = Mean time between maintenance (no defect), DED 233
- i = Failure mode referencing task under analysis
- N = Number of failure modes referencing task under analysis
- j = Unique LCN/ALC referencing task under analysis
- M = Number of LCN/ALCs referencing task under analysis
- CON FAC = Conversion factor against each LCN/ALC referencing the task under analysis, DED 059
- AOR = Annual operating requirement, DED 023

For preventive tasks, one of the following procedures applies:

Method 1.

$$TF = \frac{\text{Annual Operating Requirement X Conversion Factor}}{\text{Maintenance Interval}}$$

Note: Measurement bases for AOR and maintenance interval (DED 208) must be identical. The task frequency calculation is performed for the task reference associated with the maintenance interval.

Method 2. When the frequency of performance of a preventive task is based on calendar time, the task frequency is a numeric expression of the task code, task interval code (DED 427), established as a result of RCM analysis.

Example:	Interval	Task Frequency
	Daily (C)	365.0000
	Weekly (L)	52.0000

431 TASK IDENTIFICATION 36XL-

A task is a composite of related activities (perceptions, decisions, and responses) performed for an immediate purpose, written in operator/maintainer language. Task identification requires a brief narrative entry consisting of: (a) an action verb which identifies what is to be accomplished in the task or subtask; (b) an object which identifies what is to be acted upon in the task/subtask; and, (c) qualifying phrases needed to distinguish the task from related or similar tasks. Recommended action verbs to be used in preparing task or subtask identifications may be drawn from following list. Some specialized verbs, not listed below may be needed for a particular system/equipment. Many verbs are synonymous. The preparing activity should select one verb which appears closest to the intended meaning for the system/equipment under analysis, and use that verb consistently throughout the analysis. Some verbs are more appropriate for writing statements of tasks, while some verbs are exclusive to subtask elements.

Access. (a) To gain visibility of or the ability to manipulate. (b) To cause to be displayed, as with a computer menu.

Accomplish. To do, carry out, or bring about; to reach an objective.

Achieve. To carry out successfully.

Acknowledge. To make known the receipt or existence of.

Actuate. To put into mechanical motion or action; to move to action.

Adjust. (a) To bring to a specified position or state. (b) To bring to a more satisfactory state; to manipulate controls, levers, linkages, etc., to return equipment from an out of tolerance condition to an in tolerance condition.

Administer. To manage *or* supervise the execution, use, or conduct of.

Advance. To move forward; to move ahead.

Advise. To give information or notice to.

Alert. To warn; to call to a state of readiness or watchfulness; to notify (a person) of an impending action.

Align. To bring into line; to line UP; to bring into precise adjustment, correct relative position; or coincidence.

Allocate. To apportion for a specific purpose or to particular persons or things.

Allow. (a) To permit; to give opportunity to. (b) To allot or provide for. (c) To carry out a procedure.

Analyze. To examine and interpret information.

Annotate. To append explanatory information to a text or" graphic summary of information.

Announce. To make known,

Apply. (a) To lay or spread on. (b) To energize.

Approve. To give offical sanction.

Archive. To make an archival copy of.

Arrange. To group according to quality, value, or other characteristics; to put in proper order.

Assault. Close combat phase of an attack.

Assemble. To fit and secure together the several parts of; to make or form by combining parts.

Assess. To determine the importance, size, or value of; to evaluate.

Assign. To apportion to for a specific purpose or to particular persons or things; to appoint to a duty.

Assist. To give support or help; to aid.

Attach. To join or fasten to.

Authenticate. To prove or serve to prove the authenticity of.

Balance. To equalize in weight, height, number, or proportion.

Breach. (a) To break through. (b) To secure passage through.

Brief. To give final precise instructions; to coach thoroughly in advance; to give essential information to.

SKID AREA UNIT OF MEASURE. A UM associated with the skid area.

STORAGE DIMENSIONS UNIT OF MEASURE. A UM associated with the length, width, and height of the SE in the storage mode.

STORAGE WEIGHT UNIT OF MEASURE. A UM associated with the weight of the SE in the storage mode.

SUPPORT EQUIPMENT SHIPPING DIMENSIONS UNIT OF MEASURE. A UM associated with the length, width, and height of the SE in the shipping mode.

SUPPORT EQUIPMENT SHIPPING WEIGHT UNIT OF MEASURE. A UM associated with the weight of the SE in the shipping mode.

SUPPORT ITEM QUANTITY PER TASK UNIT OF MEASURE. A UM used in conjunction with the support item quantity per task.

TRACKED PAD SHOE AREA UNIT OF MEASURE. A UM associated with tracked pad shoe area.

492 UNIT OF MEASURE PRICE (UM PRICE) 10NR2

The best estimated price per UM. The last two positions of the field represent cents, and the decimal is understood.

FACILITY CONSTRUCTION UNIT OF MEASURE PRICE. The best estimated price for facility construction per UM.

493 UNIT PACK CUBE 7NR3

The length times width times depth (or cubic dimensions) of the unit container expressed in feet.

494 UNIT PACK SIZE 12N--

The length, width, and depth of the unit container or package expressed in inches. Subfields are:

a. Length 4NR1

b. Width 4NR1

c. Depth 4NR1

495 UNIT PACK WEIGHT 5X--

The gross weight of the unit pack expressed in pounds. The field is structured as follows.

a. For weights up to 9,999.9 pounds 5NR1

b. For weights over 9,999.9 pounds 5X--

First subfield. 1 A F -

Multiplier code indicates that the number entered in the second subfield should be multiplied by 10, 100 or 1000 in order-to. correctly represent the unit pack weight, Codes are as follow:

10 X weight	A
100 X weight	B
1000 X weight	C

Second subfield. 4 N R A S

Numerical value of the weight expressed in pounds.

496 UNIT SIZE 1 2 N - -

The length, width, and height of the item, as configured for packaging, expressed in inches. Subfields are as follow:

a. Length 4 N R 1

b. Width 4 N R 1

c. Height 4 N R 1

497 UNIT WEIGHT 5 X - -

The unpackaged weight of the item expressed in pounds. The field is structured as follows:

a. For weights up to 9,999.9 5 N R 1

b. For weights over 9,999.9 5 X - -

First subfield. 1 A F -

Multiplier code indicates that the number entered in the second subfield should be multiplied by 10, 100 or 1000 in order to correctly represent the unit weight. Codes are as follow:

10 X weight	A
100 X weight	B
1000 X weight	c

Second subfield. 4 N R A S

Numerical values ‘of the weight expressed in pounds.

498 UNIT UNDER TEST EXPLANATION 6 5 X - -

Narrative statements which further explain, justify, or substantiate any data entry concerning unit WT related data (U) tables.

499 UNSCHEDULED MAINTENANCE 1 O N - A S

LSAR DATA REQUIREMENTS FORM
GENERAL INFORMATION

Selection of a data element shall constitute the selection of all data keys or data dependencies required to document the element in the LSAR. Where more than one data element code applies to a data selection, the Code column contains dashes (-). For narrative data, where each data element definition is separately selectable to a common data table, the code column is blank.

This Form consists of two sections. The first section consists of government furnished data. The second section consists of the LSAR Data Requirements Form and is divided into three parts. Part I is LSAR data selected by an entry in the required column. Part II is LSAR provisioning data selected by an entry in the type of provisioning list. Part III is packaging data selected by an entry under a packing categorization.

Explanation of codes appearing under the KEY column are provided below:

KEY	KEY EXPLANATION
K	Data table key. It is required when any data element of the table is selected.
F	Foreign key. It originates in another data table and is required prior to a data element of the table being documented. Foreign keys appear only once on the data requirements form within a major area, e.g., Task Analysis and Personnel and Support Requirement.
M	Mandatory data. It is a nonidentifying data element that is required when entering information in the data table.
G	Data element provided by the requiring authority.
B	Data element that is both a key/foreign key and is provided by the requiring authority.
A	Army peculiar data element.
N	Navy peculiar data element.
R	Air Force peculiar data element.
C	Marine Corps peculiar data element.

PART II Provisioning Requirements

MEDIA

7-Track	_____	Even Parity	_____	BCD Coded	_____
9-Track	_____	Odd Parity	_____	EBCDIC Coded	_____
800 BPI	_____	1600 BPI	_____	6250 BPI	_____

Number of records per block is: _____

FIGURE 71. Example of DD-Form 1949-3.

DD FORM 1949-3, AUG 92

LSAR DATA REQUIREMENTS FORM
GENERAL INFORMATION

The appropriate code(s) for the header data and sequence should be entered in
The appropriate spaces for the Type Provisioning Lists. .

HEADER DATA

Procurement Instrument Identification (PIIN/SPIIN)	P
Nomenclature or Model or Type Number	N
Control Data	C
Prime Commercial and Government Entity	E
Submission Control Code	S
Date (YYMMDD)	Y

Sequence (Provisioning List Item Sequence Number assignment):

Logistic Support Analysis Control Number	Topdown
	Disassembly
	Reference Designation
Reference Number	

Type Provisioning Lists:	Specify (T,D,X,R)	Required (P,N,C,E,S,Y)	Conference Required (Y,N)
Long Lead Time Items List (LLTIL)			
Provisioning Parts List (PPL)			
Short Form PPL (SFPPL)			
Common and Bulk Items List (CBIL)			
Repairable Items List (RIL)			
Interim Support Items List (ISIL)			
Post Conference List (PCL)			
Tools and Test Equipment List (TTEL)			
System Configuration PPL (SCPPL)			
Design Change Notices (DCN)			
As Required (ARA) and specified in the SOW			
As Required (ARB) and specified in the SOW			

	Required(Y,N)	Time	Date (YYMMDD)
Provisioning Guidance Conference			
Location			
Provisioning Conference			
Location			
Provisioning Preparedness Review Conference			

PART III, Packaging Requirements
Common, MIL-STD-2073-1B, paragraph 3.3.1
Selective, MIL-STD-2073-1B, paragraph 3.3.2
Special, MIL-STD-2073-1B, paragraph 3.3.3

Other Instructions

FIGURE 71. Example of DD-Form 19.49-3.

LSAR DATA REQUIREMENTS FORM
GENERAL INFORMATION

Header Data should be documented for each type provisioning list identified.

Type Provisioning List _____

HEADER DATA

Procurement Instrument Identification (PIIN/SPIIN) _____

Nomenclature or Model or Type Number _____

Control Data _____

Prime Commercial and Government Entity _____

Submission Control Code _____

Date (YYMMDD) _____

Provisioning Activity (Address and Zip Code)

_____

Contractor Name (Address and Zip Code)

_____

Answer these question as yes or no. (Y or N)

Interim Support Items (Required)	_____
Incremental Submission (Authorized)	_____
Resident Provisioning Team (Established)	_____
Interim Release (Authorized)	_____
Provisioning Performance Schedule (Required)	_____
Repair Kits and Repair Part Sets (Included)	_____
Military Service/Agency Addendum (Attached)	_____

Common and Bulk Items List (Options 1-5, Select 1) _____

Delivery of Support Items Will Be (Concurrent, Scheduled, Not Scheduled, Select 1)

_____

Engineering Data for Provisioning (Microfilm, Hard Copy, Aperture Cards, Digital/CALS)

_____

Engineering Data for Provisioning (Will be sequenced by Reference Designation, PLISN, Reference Number, Other, Select 1)

_____

FIGURE 71. Example of DD-Form 1949-3.

LSAR DATA REQUIREMENTS FORM
SECTION 1 GOVERNMENT FURNISHED DATA

This information should be filled out by the requiring authority and should pertain to the End Item only.

Table XA
End Item Acronym Code, DED 096 _____
Administrative Lead Time, DED 014 _____
Contact Team Delay Time, DED 052 _____
Contract Number, DED 055 _____
Cost Per Reorder Action, DED 061 _____
Cost Per Requisition, DED 062 _____
Demilitarization Cost, DED 077 _____
Discount Rate, DED 083 _____
Estimated Salvage Value, DED 102 _____
Holding Cost Percentage, DED 160 _____
Intial Bin Cost, DED 166 _____
Inital Cataloging Cost, DED 167 _____
Interest Rate, DED 173 _____
Inventory Storage Space Cost, DED 176 _____
Loading Factor, DED 195 _____
Operation Level, DED 271 _____
Operation Life, DED 272 _____
Personnel Turnover Rate Civ, DED 289 _____
Personnel Turnover Rate Mil, DED 289 _____
Productivity Factor, DED 300 _____
Recurring Bin Cost, DED 333 _____
Recurring Cataloging Cost, DED 334 _____
Retail Stockage Criteria, DED 359 _____
Safety Level, DED 363 _____
Support of Support Equipment, DED 421 _____
Transportation Cost, DED 466 _____
Type Acquisition, DED 478 _____
Type of Supply System Code, 484 _____

Table AI
Modeling Service Des. Code, DED 376 _____
Modeling O/M Level Code, DED 277 _____
Labor Rate, DED 189 _____
Number of Shops, DED 263 _____
Repair Work Space Cost, DED 352 _____
Required Days of Stock, DED 357 _____

Table AJ
O/M Level From, DED 277 _____
O/M Level To, DED 277 _____
Ship Distance, DED 085 _____
Ship Time, DED 379 _____

Table AK
Add. Supportability Consids, DED 010 _____
Add. Supportability Parameters, DED 011 _____
Oper. Mission Failure Def., DED 274 _____

FIGURE 71. Example of DD-Form 1949-3.

LSAR DATA REQUIREMENTS FORM
SECTION 1 GOVERNMENT FURNISHED DATA

This information should be filled out by the requiring authority and should pertain to the Item (LSA Control Number) under analysis.,

Table XB
LSA Control Number, DED 199 _____

Table XC
Usable On Code, DED 501 _____
System/End Item PCCN, DED 307 _____

Table AA
Service Desginator Code, DED 376 _____
Required MTTR, DED 222 _____
Required Percentile, DED 286 _____
Required Ach. Availability, DED 001 _____
Required Inh. Availability, DED 164 _____
Operational MAMDT, DED 223 _____
Technical MAMDT, DED 223 _____
Required Operational MTTR, DED 236 _____
Required Technical MTTR, DED 236 _____
Number of Operating Locations, DED 262 _____
Crew Size, DED 064 _____
Total Systems Supported, DED 454 _____
RCM Logic Utilized, DED 345 _____

Table AB
Operational Reqt Indicator, DED 275 _____
Annual Number of Missions, DED 021 _____
Annual Operating Days, DED 022 _____
Annual Operating Time, DED 024 _____
Mean Mission Duration, DED 228 _____
Mean Mission Duration MB, DED 238 _____
Required Op. Availability, DED 273 _____
Required ALDT, DED 013 _____
Required Standby Time, DED 403 _____

Table AC
O/M Level, DED 277 _____
Maintenance Level MaxTTR, DED 222 _____
Maintenance Level Percentile, DED 286 _____
Number of Systems Supported, DED 265 _____
Maint. Level Scheduled AMH, DED 020 _____
Maint. Level Unscheduled AMH, DED 020 _____
Scheduled MH/Operating Hour, DED 215 _____
Unscheduled MH/Operating Hour, DED 215 _____
Unscheduled Maintenance MET, DED 499 _____
Unscheduled Maintenance MMH, DED 499 _____

Table AD
Daily Inspection MET, DED 280 _____
Daily Inspection MMH, DED 280 _____
Preoperative Inspection MET, DED 280 _____
Preoperative Inspection MMH, DED 280 _____

DD FORM 1949-3, AUG 92 FIGURE 71. Example of DD-Form 1949-3. Page 5 of 29

LSAR DATA REQUIREMENTS FORM
SECTION 1 GOVERNMENT FURNISHED DATA

Post Operative Inspection MET, DED 280
Post Operative Inspection MMH, DED 280
Periodic Inspection MET, DED 280
Periodic Inspection MMH, DED 280
Mission Profile Inspection MET, DED 280
Mission Profile Inspection MMH. DED 280
Turnaround Inspection MET, DED 280
Turnaround Inspection MMH, DED 280

Table AE
Available Man Hour, DED 028
Available Quantity, DED 324
Utilization Ratio, DED 503

Table AF
Additional Requirements, DED 009

Table AG
AOR MB, DED 238
Annual Operating Requirement, DED 023
Operational Reqt Indicator, DED 275
Required Operational MTBF, DED 229
Required Technical MTBF, DED 229
Required Operational MTBMA, DED 230
Required Technical MTBMA, DED 230
Required MTBR, DED 235

Table AH
Interoperable Item Name, DED 182
Interoperable Number Type, DED 266
Interoperable CAGE Code, DED 046
Interoperable Reference Number, DED 337
Interoperable Item NIIN, DED 253
Interoperable Item NSN FSC, DED 253
Interoperable Item TM Number, DED 440

FIGURE 71. Example of DD-Form 1949-3.

LSAR DATA REQUIREMENTS FORM
SECTION 1 GOVERNMENT FURNISHED DATA

This information should be filled out by the requiring authority and should pertain to a piece of Support Equipment that is supporting the item under analysis.

Table EA and EB
Support Equipment Cage, DED 046 _____
SE Reference Number, DED 337 _____

Table EA
Acquisition Decision Office, DED 002 _____
Logistics Decision Office, DED 198 _____
Management Plan, DED 216 _____
SMR Code, DED 389 _____
Program Element, DED 301 _____
Program Sup. Inv. Control Pt., DED 303 _____
Revolving Assests, DED 361 _____
Spare Factor, DED 390 _____
Special Management Code, DED 393 _____
SIASC Number, DED 401 _____
SE Shipping Height, DED 419 _____
SE Shipping Length, DED 419 _____
SE Shipping Width, DED 419 _____
SE Shipping Weight, DED 420 _____
Type of Equipment Code, DED 480 _____

Table EB
Allowance Document Number, DED 016 _____
Allowance Range 1, DED 015 _____
Allowance Range 2, DED 015 _____
Allowance Range 3, DED 015 _____
Allowance Range 4, DED 015 _____
Allowance Range 5, DED 015 _____
Allowance Range 6, DED 015 _____
Allowance Range 7, DED 015 _____
Allowance Range 8, DED 015 _____
Allowance Range 9, DED 015 _____
Allowance Range 10, DED 015 _____
Allocation Designation Descr., DED 015 _____
Allocation Extended Range, DED 015 _____
Allocation Land Vessal Code, DED 015 _____
Allocation Manit. Lvl Function, DED 015 _____
Allocation Station ID Code, DED 015 _____

FIGURE 71. Example of DD-Form 1949-3.

LSAR DATA REQUIREMENTS FORM
SECTION 1 GOVERNMENT FURNISHED DATA

This information should be filled out by the requiring authority and should pertain to the item under analysis.

Table UA
UUT LSA Control Number, DED 199 _____
UUT Maintenance Plan Number, DED 209 _____

Table HA
CAGE Code, DED 046 _____
Reference Number, 337 _____
Acquisition Method Code, DED 003 _____
Acquisition Method Suffix Code, DED 004 _____

Table HG and HP
Cage Code, DED 046 _____
Reference Number, DED 337 _____
LSA Control Number, DED 199 _____

Table HG
Provisioning Sys ID Code, DED 312 _____

Table HP
Change Authority Number, DED 043 _____

FIGURE 71. Example of DD-Form 1949-3.

LSAR DATA REQUIREMENTS FORM
SECTION 1 GOVERNMENT FURNISHED DATA

Post Operative Inspection MET, DED 280
Post Operative Inspection MMH, DED 280
Periodic Inspection MET, DED 280
Periodic Inspection MMH, DED 280
Mission Profile Inspection MET, DED 280
Mission Profile Inspection MMH, DED 280
Turnaround Inspection MET, DED 280
Turnaround Inspection MMH, DED 280

Table AE
Available Man Hour, DED 028
Available Quantity, DED 324
Utilization Ratio, DED 503

Table AF
Additional Requirements, DED 009

Table AG
AOR MB, DED 238
Annual Operating Requirement, DED 023
Operational Reqt Indicator, DED 275
Required Operational MTBF, DED 229
Required Technical MTBF, DED 229
Required Operational MTBMA, DED 230
Required Technical MTBMA, DED 230
Required MTBR, DED 235

Table AH
Interoperable Item Name, DED 182
Interoperable Number Type, DED 266
Interoperable CAGE Code, DED 046
Interoperable Reference Number, DED 337
Interoperable Item NIIN, DED 253
Interoperable Item NSN FSC, DED 253
Interoperable Item TM Number, DED 440

FIGURE 71. Example of DD-Form 1949-3.

LSAR DATA REQUIREMENTS FORM
SECTION 1 GOVERNMENT FURNISHED DATA

This information should be filled out by the requiring authority and should pertain to a piece of Support Equipment that is supporting the item under analysis.

Table EA and EB
Support Equipment Cage, DED 046 _____
SE Reference Number, DED 337 _____

Table EA
Acquisition Decision Office, DED 002 _____
Logistics Decision Office, DED 198 _____
Management Plan, DED 216 _____
SMR Code, DED 389 _____
Program Element, DED 301 _____
Program Sup. Inv. Control Pt., DED 303 _____
Revolving Assests, DED 361 _____
Spare Factor, DED 390 _____
Special Management Code, DED 393 _____
SIASC Number, DED 401 _____
SE Shipping Height, DED 419 _____
SE Shipping Length, DED 419 _____
SE Shipping Width, DED 419 _____
SE Shipping Weight, DED 420 _____
Type of Equipment Code, DED 480 _____

Table EB
Allowance Document Number, DED 016 _____
Allowance Range 1, DED 015 _____
Allowance Range 2, DED 015 _____
Allowance Range 3, DED 015 _____
Allowance Range 4, DED 015 _____
Allowance Range 5, DED 015 _____
Allowance Range 6, DED 015 _____
Allowance Range 7, DED 015 _____
Allowance Range 8, DED 015 _____
Allowance Range 9, DED 015 _____
Allowance Range 10, DED 015 _____
Allocation Designation Descr., DED 015 _____
Allocation Extended Range, DED 015 _____
Allocation Land Vessal Code, DED 015 _____
Allocation Manit. Lvl Function, DED 015 _____
Allocation Station ID Code, DED 015 _____

FIGURE 71. Example of DD-Form 1949-3.

LSAR DATA REQUIREMENTS FORM
SECTION 1 GOVERNMENT FURNISHED DATA

This information should be filled out by the requiring authority and should pertain to the item under analysis.

Table UA
UUT LSA Control Number, DED 199 _____
UUT Maintenance Plan Number, DED 209 _____

Table HA
CAGE Code, DED 046 _____
Reference Number, 337 _____
Acquisition Method Code, DED 003 _____
Acquisition Method Suffix Code, DED 004 _____

Table HG and HP
Cage Code, DED 046 _____
Reference Number, DED 337 _____
LSA Control Number, DED 199 _____

Table HG
Provisioning Sys ID Code, DED 312 _____

Table HP
Change Authority Number, DED 043 _____

FIGURE 71. Example of DD-Form 1949-3.

Part I LSAR DATA REQUIREMENTS FORM				Section 2
DATA ELEMENT TITLE	KEY	DED	CODE	REQUIRED
CROSS FUNCTIONAL REQUIREMENT				
Table XA, END ITEM ACRONYM CODE				
END ITEM ACRONYM CODE	K	096	EIACODXA	
LCN STRUCTURE		202	LCNSTRXA	
ADMINISTRATIVE LEAD TIME	G	014	ADDLTMXA	
CONTACT TEAM DELAY TIME	G	052	CTDLTMXA	
CONTRACT NUMBER	G	055	CONTNOXA	
COST PER REORDER ACTION	G	061	CSREORXA	
COST PER REQUISITION	G	062	CSPRRQXA	
DEMILITARIZATION COST	G	077	DEMILCXA	
DISCOUNT RATE	G	083	DISCNTXA	
ESTIMATED SALVAGE VALUE	G	102	ESSALVXA	
HOLDING COST PERCENTAGE	G	160	HLCSPCXA	
INITIAL BIN COST	G	166	INTBINXA	
INITIAL CATALOGING COST	G	167	INCATCXA	
INTEREST RATE	G	173	INTRATXA	
INVENTORY STORAGE SPACE COST	G	176	INVSTGXA	
LOADING FACTOR	G	195	LODFACXA	
OPERATION LEVEL	G	271	WSOPLVXA	
OPERATION LIFE	G	272	OPRLIFXA	
PERSONNEL TURNOVER RATE	G	289	-------	
PRODUCTIVITY FACTOR	G	300	PROFACXA	
RECURRING BIN COST	G	333	RCBINCXA	
RECURRING CATALOGING COST	G	334	RCCATCXA	
RETAIL STOCKAGE CRITERIA	G	359	RESTCRXA	
SAFETY LEVEL	G	363	SAFLVLXA	
SUPPORT OF SUPPORT EQUIPMENT COST FACTOR	G	421	SECSFCXA	
TRANSPORTATION COST	G	466	TRNCSTXA	
TYPE ACQUISITION	G	478	WSTYAQXA	
TYPE OF SUPPLY SYSTEM CODE	G	484	TSSCODXA	
Table XB, LCN INDENTURED ITEM				
LSA CONTROL NUMBER (LCN)	K	199	LSACONXB	
ALTERNATE LCN CODE	K	019	ALTLCNXB	
LCN TYPE	K	203	LCNTYPXB	
LCN INDENTURE CODE		200	LCNINDXB	
LCN NOMENCLATURE		201	LCNAMEXB	
TM FUNCTIONAL GROUP CODE (MAINT ALLOCATION CHART)		438	TMFGCDXB	
SYSTEM/END ITEM IDENTIFIER		423	SYSIDNXB	
SECTIONALIZED ITEM TRANSPORTATION INDICATOR		367	SECITMXB	
RELIABILITY AVAILABILITY MAINTAINABILITY INDICATOR		342	RAMINDXB	
Table XC, SYSTEM/END ITEM (SEE ALSO PART II)				
USABLE ON CODE	G	501	UOCSEIXC	
SYSTEM/EI PCCN	G	307	PCCNUMXC	
SYSTEM/EI ITEM DESIGNATOR CODE		179	ITMDESXC	
TRANSPORTATION END ITEM INDICATOR		467	TRASEIXC	
Table XD, SYSTEM/END ITEM SERIAL NUMBER (SEE ALSO PART II)				
SERIAL NUMBER	K	373	------	
SERIAL NUMBER USABLE ON CODE		375	SNUUOCXD	

FIGURE 71. Example of DD-Form 1949-3

Part I LSAR DATA REQUIREMENTS FORM				Section 2
DATA ELEMENT TITLE	KEY	DED	CODE	REQUIRED
Table XE, LCN TO SERIAL NUMBER USABLE ON CODE				
Table XF, LCN TO SYSTEM/END ITEM USABLE ON CODE				
Table XG, FUNCTIONAL/PHYSICAL LCN MAPPING				
Table XH, COMMERCIAL AND GOVERNMENT ENTITY				
COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE	K	046	CAGECDXH	
CAGE NAME		047	CANAMEXH	
CAGE ADDRESS		047	———	
Table XI, TECHNICAL MANUAL CODE AND NUMBER INDEX				
TECHNICAL MANUAL (TM) CODE	K	437	TMCODEXI	
TM NUMBER	G	440	TMNUMBXI	
OPERATIONS AND MAINTENANCE REQUIREMENTS				
Table AA, OPERATIONS AND MAINTENANCE REQUIREMENTS				
END ITEM ACRONYM CODE	F	096	EIACODXA	
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB	
ALTERNATE LCN CODE	F	019	ALTLCNXB	
LCN TYPE	F	203	LCNTYPXB	
SERVICE DESIGNATOR CODE	K	376	SERDESAA	
REQUIRED MAXIMUM TIME TO REPAIR	G	222	MAXTTRAA	
REQUIRED ACHIEVED AVAILABILITY	G	001	ACHAVAAA	
REQUIRED INHERENT AVAILABILITY	G	164	INHAVAAA	
OPERATIONAL MEAN ACTIVE MAINTENANCE DOWNTIME	G	223	OMAMDTAA	
TECHNICAL MEAN ACTIVE MAINTENANCE DOWNTIME	G	223	TMAMDTAA	
REQUIRED OPERATIONAL MEAN TIME TO REPAIR	G	236	OPMTTRAA	
REQUIRED TECHNICAL MEAN TIME TO REPAIR	G	236	TEMTTRAA	
NUMBER OPERATING LOCATIONS	G	262	NUOPLOAA	
CREW SIZE	G	064	CREWSZAA	
TOTAL SYSTEMS SUPPORTED	G	454	TOSYSUAA	
RELIABILITY CENTERED MAINTENANCE LOGIC UTILIZED	G	345	RCMLOGAA	
Table AB, WAR PEACE OPERATIONS AND MAINTENANCE REQUIREMENT				
OPERATIONAL REQUIREMENT INDICATOR	K	275	OPRQINAB	
ANNUAL NUMBER OF MISSIONS	G	021	ANNOMIAB	
ANNUAL OPERATING DAYS	G	022	ANOPDAAB	
ANNUAL OPERATING TIME	G	024	ANOPTIAB	
MEAN MISSION DURATION	G	228	MMISDUAB	
REQUIRED OPERATIONAL AVAILABILITY	G	273	OPAVAIAB	
REQUIRED ADMINISTRATIVE AND LOGISTIC DELAY TIME	G	013	OPALDTAB	
REQUIRED STANDBY TIME	G	403	OSTBTIAB	
Table AC, MAINTENANCE LEVEL REQUIREMENT				
OPERATIONS AND MAINTENANCE LEVEL CODE	K	277	OMLVLCAC	
MAINTENANCE LEVEL MAXIMUM TIME TO REPAIR	G	222	MLMTTRAC	
NUMBER OF SYSTEMS SUPPORTED	G	265	MLNSSUAC	
MAINTENANCE LEVEL SCHEDULED ANNUAL MAN-HOURS	G	020	MLSAMHAC	
MAINTENANCE LEVEL UNSCHEDULED ANNUAL MAN-HOURS	G	020	MLUAMHAC	
SCHEDULED MAN-HOUR PER OPERATING HOUR	G	215	MLSMHOAC	
UNSCHEDULED MAN-HOUR PER OPERATING HOUR	G	215	MLUMHOAC	

FIGURE 71. Example of DD-Form 1949-3.

Part I LSAR DATA REQUIREMENTS FORM				Section 2
DATA ELEMENT TITLE	KEY	DED	CODE	REQUIRED
UNSCHEDULED MAINTENANCE MEAN ELAPSED TIME	G	499	MLUMETAC	
UNSCHEDULED MAINTENANCE MEAN MAN-HOURS	G	499	MLUMMHAC	
Table AD, ORGANIZATIONAL LEVEL REQUIREMENT				
DAILY INSPECTION MEAN ELAPSED TIME	G	280	DINMETAD	
DAILY INSPECTION MEAN MAN-HOURS	G	280	DINMMHAD	
PREOPERATIVE INSPECTION MEAN ELAPSED TIME	G	280	PREMETAD	
PREOPERATIVE INSPECTION MEAN MAN-HOURS	G	280	PREMMHAD	
POST OPERATIVE INSPECTION MEAN ELAPSED TIME	G	280	POIMETAD	
POST OPERATIVE INSPECTION MEAN MAN-HOURS	G	280	POIMMHAD	
PERIODIC INSPECTION MEAN ELAPSED TIME	G	280	PINMETAD	
PERIODIC INSPECTION MEAN MAN-HOURS	G	280	PINMMHAD	
MISSION PROFILE CHANGE MEAN ELAPSED TIME	G	280	MPCMETAD	
MISSION PROFILE CHANGE MEAN MAN-HOURS	G	280	MPCMMHAD	
TURNAROUND INSPECTION MEAN ELAPSED TIME	G	280	TINMETAD	
TURNAROUND INSPECTION MEAN MAN-HOURS	G	280	TINMMHAD	
Table AE, SKILL OPERATIONS AND MAINTENANCE REQUIREMENT				
SKILL SPECIALTY CODE	F	387	SKSPCDGA	
AVAILABLE MAN HOUR	G	028	AVAIMHAE	
AVAILABLE QUANTITY	G	324	QTYAVAAE	
UTILIZATION RATIO	G	503	UTRATIAE	
Table AF, WAR PEACE ADDITIONAL REQUIREMENTS NARRATIVE				
ADDITIONAL REQUIREMENTS	G	009	WPADDRAF	
Table AG, RELIABILITY REQUIREMENT				
ANNUAL OPERATING REQUIREMENT	M	023	ANOPREAG	
OPERATIONAL REQUIREMENTS INDICATOR	M	275	OPRQINAB	
REQUIRED OPERATIONAL MEAN TIME BETWEEN FAILURES	G	229	OPMTBFAG	
REQUIRED TECHNICAL MEAN TIME BETWEEN FAILURES	G	229	TEMTBFAG	
REQUIRED OPERATIONAL MEAN TIME BETWEEN MAINT ACTIONS	G	230	OPMRBMAG	
REQUIRED TECHNICAL MEAN TIME BETWEEN MAINT ACTIONS	G	230	TMTBMAAG	
REQUIRED MEAN TIME BETWEEN REMOVALS	G	235	MTBRXXAG	
Table AH, INTEROPERABILITY REQUIREMENT				
INTEROPERABLE ITEM NAME	K	182	IONAMEAH	
INTEROPERABLE ITEM NUMBER TYPE	K	266	IOINTYAH	
INTEROPERABLE CAGE CODE	G	046	IOCAGEAH	
INTEROPERABLE REFERENCE NUMBER	G	337	IOREFNAH	
INTEROPERABLE ITEM NATIONAL STOCK NUMBER	G	253	———	
INTEROPERABLE ITEM TECHNICAL MANUAL NUMBER	G	440	IOITNMAH	
Table AI, MODELING DATA				
MODELING SERVICE DESIGNATOR CODE	K	376	SERDESAI	
MODELING OPERATIONS AND MAINTENANCE LEVEL CODE	K	277	OMLVLCAI	
LABOR RATE	G	189	LABRATAI	
NUMBER OF SHOPS	G	263	NOSHPSAI	
REPAIR WORK SPACE COST	G	352	RPWSCSAI	
REQUIRED DAYS OF STOCK	G	357	RQDSTKAI	
Table AJ, OPERATIONS AND MAINTENANCE SHIPPING REQUIREMENTS				

FIGURE 71. Example of DD-FORM 1949-3.

DD FORM 1949-3, AUG 92

Part I LSAR DATA REQUIREMENTS FORM				Section 2
DATA ELEMENT TITLE	KEY	DED	CODE	REQUIRED
FAILURE EFFECT PROBABILITY		130	FEPROBBI	
FAILURE MODE CRITICALITY NUMBER		133	FACRNUBI	
FAILURE PROBABILITY LEVEL		139	FPROBLBI	
OPERATING TIME		269	FMOPTIBI	
Table BJ, FMI MPC CHARACTERISTICS NARRATIVE				
FMI-MPC CHARACTERISTICS NARRATIVE CODE	K	135	FMMPCNBJ	
COMPENSATING DESIGN PROVISIONS		049		
COMPENSATING OPERATOR ACTION PROVISIONS		050		
Table BK, RAM CRITICALITY				
RAM SAFETY HAZARD SEVERITY CODE	K	362	FMSHSCBK	
RAM ITEM CRITICALITY NUMBER		178	RICRITBK	
Table BL, MISSION PHASE OPERATIONAL MODE				
MISSION PHASE CODE	K	246	MISSPCBL	
MISSION PHASE OPERATIONAL MODE		247	MPOPLDBL	
TASK ANALYSIS AND PERSONNEL AND SUPPORT REQUIREMENT				
Table CA, TASK REQUIREMENT				
END ITEM ACRONYM CODE	F	096	EIACODXA	
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB	
ALTERNATE LCN CODE	F	019	ALTLCNXB	
LCN TYPE	F	203	LCNTYPXB	
TASK CODE	K	427	TASKCDCA	
REFERENCED TASK CODE		427	REFTSKCA	
TASK ANNUAL OPERATING REQUIRMENT MEASUREMENT BASE		238	AORMSBCA	
TASK IDENTIFICATION		431	TASKIDCA	
TASK FREQUENCY		430	TSKFRQCA	
TASK CRITICALITY CODE		429	TSKCRCCA	
HARDNESS CRITICAL PROCEDURE CODE		152	HRDCPCCA	
HAZARDOUS MAINTENANCE PROCEDURES CODE		155	HAZMPCCA	
PREVENTIVE MAINTENANCE CHECKS AND SERVICES INDICATOR		296	PMCSIDCA	
MEASURED MEAN ELAPSE TIME		224	MSDMETCA	
PREDICTED MEAN ELAPSE TIME		224	PRDMETCA	
MEASURED MEAN MAN HOURS		225	MSDMMHCA	
PREDICTED MEAN MAN HOURS		225	PRDMMHCA	
MEANS OF DETECTION		237	——	
FACILITY REQUIREMENT CODE		358	FTRNRQCA	
TRAINING EQUIPMENT REQUIREMENT CODE		358	TRNRQCCA	
TRAINING RECOMMENDATION TYPE		463	TRNRECCA	
TRAINING LOCATION RATIONALE		461	TRNLOCCA	
TRAINING RATIONALE		462	TRNRATCA	
TOOL/SUPPORT EQUIPMENT REQUIREMENT CODE		358	TSEREQCA	
TASK PERFORMANCE		287	——	
TASK CONDITION		428	——	
Table CB, SUBTASK REQUIREMENT				
SUBTASK NUMBER	K	407	SUBNUMCB	
REFERENCED SUBTASK NUMBER		407	RFDSUBCB	
SUBTASK MEAN MINUTE ELAPSE TIME		227	SBMMETCB	
SUBTASK WORK AREA CODE		514	SUBWACCB	

FIGURE 71. Example of DD-Form 1949-3.

Page 14 of 29

DD FORM 1949-3, AUG 92

Supersedes page 584 of 28 March 91

Part I LSAR DATA REQUIREMENTS FORM				Section 2
DATA ELEMENT TITLE	KEY	DED	CODE	REQUIRED
Table CC, SEQUENTIAL SUBTASK DESCRIPTION				
SEQUENTIAL SUBTASK DESCRIPTION		372	SUBNARCC	
ELEMENT INDICATOR		095	ELEMNTCC	
Table CD, SUBTASK PERSONNEL REQUIREMENT				
SUBTASK PERSON IDENTIFIER	K	288	SUBPIDCD	
SKILL SPECIALTY CODE		387	SKSPCDGA	
NEW OR MODIFIED SKILL SPECIALTY CODE		257	MDCSSCGB	
SUBTASK MEAN MAN MINUTES		226	SUBMMMCD	
SKILL SPECIALTY EVALUATION CODE		388	SSECDECD	
Table CE, TASK REMARK REFERENCE				
TASK REMARK REFERENCE CODE	K	349	TSKRRCCE	
TASK REMARK	K	432	TSKREMCE	
Table CF, TASK REMARK				
Table CG, TASK SUPPORT EQUIPMENT				
TASK SUPPORT REFERENCE NUMBER	F	337	TSREFNCG	
TASK SUPPORT CAGE CODE	F	046	TSCAGECG	
SUPPORT ITEM QUANTITY PER TASK		319	SQTYTKCG	
Table CH, TASK MANUAL				
TECHNICAL MANUAL CODE	F	437	TMCODEXI	
Table CI, TASK PROVISIONED ITEM				
TASK PROVISION LCN	F	199	PROLCNCI	
TASK PROVISION ALC	F	019	PROALCCI	
TASK PROVISION LCN TYPE	F	203	PROLTYCI	
TASK PROVISION CAGE CODE	F	046	PROCAGCI	
TASK PROVISION REFERENCE NUMBER	F	337	PROREFCI	
PROVISION QUANTITY PER TASK		319	PQTYTKCI	
Table CJ, JOB AND DUTY ASSIGNMENT				
JOB CODE	K	186	JOBCODCJ	
DUTY CODE	K	091	DUTYCDCJ	
JOB		185	JOBDESCJ	
DUTY		090	DUTIESCJ	
Table CK, TASK INVENTORY				
SEQUENTIAL SUBTASK DESCRIPTION TSC FROM	K	450	TSFROMCK	
SEQUENTIAL SUBTASK DESCRIPTION TSC TO	K	450	TEXTTOCK	
SUBTASK PERSON IDENTIFIER	K	288	SUBPIDCD	
SUPPORT EQUIPMENT AND TRAINING MATERIEL REQUIREMENTS				
Task EA, SUPPORT EQUIPMENT				
SUPPORT EQUIPMENT CAGE	F	046	SECAGEEA	
SUPPORT EQUIPMENT REFERENCE NUMBER	F	337	SEREFNEA	
SUPPORT EQUIPMENT FULL ITEM NAME		412	FLITNMEA	
SUPPORT EQUIPMENT ITEM CATEGORY CODE		177	SEICCDEA	
ACQUISITION DECISION OFFICE	G	002	AQDCOFEA	
END ARTICLE ITEM DESIGNATOR		179	ENDARTEA	

FIGURE 71. Example of DD-Form 1949-3.

Part I LSAR DATA REQUIREMENTS FORM				Section 2
DATA ELEMENT TITLE	KEY	DED	CODE	REQUIRED
Table EG, SERD REVISION REMARKS				
SERD REVISION REMARKS		417	REVREMEG	
Table EH, ALTERNATE NATIONAL STOCK NUMBERS				
ALTERNATE NATIONAL STOCK NUMBER	K	253	——	
Table EI, INPUT POWER SOURCE				
INPUT POWER SOURCE	K	168	——	
Table EJ, SUPPORT EQUIPMENT DESIGN DATA				
DESIGN DATA CATEGORY CODE (DDCC)	K	079	DSNDATEJ	
DDCC CONTRACTOR RECOMMENDED		057	CNTRECEJ	
DDCC ESTIMATED PRICE		101	ESTPRCEJ	
DDCC GOVERNMENT REQUIRED		150	GOVRQDEJ	
DDCC SCOPE		365	DDCCSCEJ	
Table EK, SUPERCEDURE DATA				
SUPERCEDURE CAGE CODE	K	046	SPRCAGEK	
SUPERCEDURE REFERENCE NUMBER	K	337	SPRREFEK	
SUPERCEDURE TYPE	M	408	SUTYPEEK	
SUPERCEDURE ITEM NAME		182	SUPITNEK	
SUPERCEDURE SERD NUMBER		416	SUSRNOEK	
REASON FOR SUPERCEDURE/DELETION		327	REASUPEK	
SUPERCEDURE INTERCHANGEABILITY CODE		172	ICCODEEK	
Table EL, SUPPORT EQUIPMENT ILS REQUIREMENT CATEGORY CODE				
ILS REQUIREMENT CATEGORY CODE (IRCC)	K	171	IRCCODEL	
IRCC CONTRACTOR RECOMMENDED		057	CONRECEL	
IRCC ESTIMATED PRICE		101	ESTPRCEL	
IRCC GOVERNMENT REQUIRED		150	GOVRQDEL	
IRCC SCOPE		365	IRCSCOEL	
Table EM, SYSTEM EQUIPMENT				
SYSTEM CAGE CODE	F	046	SCAGECEM	
SYSTEM REFERENCE NUMBER	F	337	SREFNOEM	
SYSTEM EQUIPMENT QUANTITY PER TEST		320	QTYTSTEM	
SYSTEM EQUIPMENT ITEM DESIGNATOR		179	GFAEIDEM	
UNIT UNDER TEST REQUIREMENTS AND DESCRIPTION				
Table UA, ARTICLE REQUIRING SUPPORT/UNIT UNDER TEST(UUT)				
END ITEM ACRONYM CODE	F	096	EIACODXA	
UUT LSA CONTROL NUMBER (LCN)	F	199	UUTLCNUA	
UUT ALTERNATE LCN CODE	F	019	UUTALCUA	
UUT LCN TYPE	F	203	UTLCNTUA	
UUT ALLOWANCE		016	UTALLOUA	
UUT MAINTENANCE PLAN NUMBER	G	209	UMNTPLUA	
UUT TEST REQUIREMENTS DOCUMENT NUMBER		448	UTTRDNUA	
UUT WORK PACKAGE REFERENCE		515	UTWPRFUA	

FIGURE 71. Example of DD-Form 1949-3.

Part I LSAR DATA REQUIREMENTS FORM				Section 2
DATA ELEMENT TITLE	KEY	DED	CODE	REQUIRED
Table UB, ARTICLE REQUIRING SUPPORT/UUT SUPPORT EQUIPMENT				
SUPPORT EQUIPMENT CAGE CODE	F	046	SECAGEEA	
SUPPORT EQUIPMENT REFERENCE NUMBER	F	337	SEREFNEA	
UUT CMRS SUMMARY STATUS		036	UTSTCDUB	
UUT CMRS RECOMMENDED CODE		035	UTCMRSUB	
Table UC, OPERATIONAL TEST PROGRAM				
OPERATIONAL TEST PROGRAM (OTP) CAGE CODE	F	046	OTPCAGUC	
OTP REFERENCE NUMBER	F	337	OTPREFUC	
OTP APPORTIONED UNIT COST		025	———	
OTP COORDINATED TEST PLAN		060	OTPCTPUC	
OTP STANDARDS FOR COMPARISON		412	OTPSFCUC	
OTP SUPPORT EQUIPMENT RECOMMENDATION DATA NUMBER		416	OTPSRDUC	
Table UD, UUT SUPPORT EQUIPMENT OPERATIONAL TEST PROGRAM				
Table UE, TEST PROGRAM INSTRUCTION				
TEST PROGRAM INSTRUCTION (TPI) CAGE CODE	F	046	TPICAGUE	
TPI REFERENCE NUMBER	F	337	TPIREFUE	
TPI APPORTIONED UNIT COST		025	———	
TPI SELF TEST		370	TPISTSUE	
TPI TECHNICAL DATA PACKAGE		434	TPITDPUE	
TPI SUPPORT EQUIPMENT RECOMMENDATION DATA NUMBER		416	TPISRDUE	
Table UF, UNIT UNDER TEST EXPLANATION				
UUT EXPLANATION		498	UTEXPLUF	
Table UG, UNIT UNDER TEST PARAMETER GROUP				
UUT PARAMETERS	K	284	———	
UUT CMRS PARAMETER CODE		034	UUTPPCUG	
UUT PARAMETER TEST ACCURACY RATIO		442	———	
Table UH, UUT FAULT ISOLATED REPLACEABLE UNIT				
TASK LSA CONTROL NUMBER (LCN)	F	199	TSKLCNCI	
TASK ALTERNATE LCN CODE (ALC)	F	019	TSKALCCI	
TASK LCN TYPE	F	203	TSKLTYCI	
TASK PROVISION TASK CODE	F	427	TSKTCDCI	
TASK PROVISION LCN	F	199	PROLCNCI	
TASK PROVISION ALC	F	019	PROALCCI	
TASK PROVISION LCN TYPE	F	203	PROLTYCI	
TASK PROVISION CAGE CODE	F	046	PROCAGCI	
TASK PROVISION REFERENCE NUMBER	F	337	PROREFCI	
SUPPORT EQUIPMENT CAGE CODE	M	046	SECAGEEA	
SUPPORT EQUIPMENT REFERENCE NUMBER	M	337	SEREFNEA	
UUT FIRU FAULT ISOLATION		143	———	
UUT FIRU TEST REQUIREMENTS DOCUMENT INDICATOR		447	UUTFTDUH	
Table UI, ADAPTER-INTERCONNECTOR DEVICE				
ADAPTER INTERCONECTOR DEVICE (AID) CAGE CODE	F	046	AIDCAGUI	
AID REFERENCE NUMBER	F	337	AIDREFUI	
AID APPORTIONED UNIT COST		025	———	

FIGURE 71. Example of DD-Form 1949-3.

DD FORM 1949-3, AUG 92

Part I LSAR DATA REQUIREMENTS FORM				Section 2
DATA ELEMENT TITLE	KEY	DED	CODE	REQUIRED
AID SUPPORT EQUIPMENT RECOMMENDATION DATA NUMBER		416	AIDSRDUI	
AID COMMON UNIT UNDER TEST		048	AIDCUTUI	
Table UJ, UUT SUPPORT EQUIPMENT ADAPTER-INTERCONNECTOR DEVICE				
Table UK, AUTOMATIC TEST EQUIPMENT TEST STATION				
ATE CAGE CODE	F	046	ATECAGUK	
AUTOMATIC TEST EQUIPMENT (ATE) REFERENCE NUMBER	F	337	ATEREFUK	
ATE GOVERNMENT DESIGNATOR		149	ATEGDSUK	
Table UL, UUT SUPPORT EQUIPMENT AUTOMATIC TEST EQUIPMENT				
Table UM, SUPPORT EQUIPMENT ITEM UNIT UNDER TEST				
SUPPORT EQUIPMENT UNIT UNDER TEST (SE UUT) CAGE CODE	F	046	SUTCAGUM	
SE UUT REFERENCE NUMBER	F	337	SUTREFUM	
SE UUT ALLOWANCE		016	SUTALLUM	
SE UUT CMRS STATUS		036	SUTSTCUM	
SE UUT MAINTENANCE PLAN NUMBER		209	MNTPLNUM	
SE UUT TEST REQUIREMENTS DOCUMENT NUMBER		448	TRDNUMUM	
SE UUT WORK PACKAGE REFERENCE		515	WKPKRFUM	
Table UN, SUPPORT EQUIPMENT UUT PARAMETER GROUP				
SE UUT PARAMETERS	K	284	——	
SE UUT CMRS PARAMETER CODE		034	UTPACMUN	
SE UUT PARAMETER TEST ACCURACY RATIO		442	——	
FACILITIES CONSIDERATION				
Table FA, FACILITY				
FACILITY NAME	K	118	FACNAMFA	
FACILITY CATEGORY CODE	K	115	FACCCDFA	
FACILITY TYPE	K	483	TYPFACFA	
FACILITY CLASS		116	FACCLAFA	
FACILITY DRAWING CLASSIFICATION		088	DRCLASFA	
FACILITY DRAWING NUMBER		089	FADNUMFA	
FACILITY DRAWING REVISION		360	FADREVFA	
FACILITY AREA		112	FAAREAFA	
FACILITY AREA UNIT OF MEASURE		491	FAARUMFA	
FACILITY CONSTRUCTION UNIT OF MEASURE PRICE		492	FACNCOFA	
CONSTRUCTION UNIT OF MEASURE		491	CONUOMFA	
Table FB, FACILITY NARRATIVE				
FACILITY NARRATIVE CODE	K	119	FNCODEF	
FACILITY CAPABILITY		114		
FACILITY LOCATION		117		
Table FC, FACILITY BASELINE NARRATIVE				
BASELINE FACILITY NARRATIVE CODE	K	113	FBNACDFC	
FACILITIES MAINTENANCE REQUIREMENT		107		
FACILITIES REQUIREMENTS FOR OPERATIONS		109		
FACILITIES REQUIREMENT FOR TRAINING		110		

FIGURE 71. Example of DD-Form 1949-3.

Part I LSAR DATA REQUIREMENTS FORM				Section 2
DATA ELEMENT TITLE	KEY	DED	CODE	REQUIRED
FACILITY REQUIREMENTS SPECIAL CONSIDERATIONS		120		
FACILITY REQUIREMENTS SUPPLY/STORAGE		121		
Table FD, NEW OR MODIFIED FACILITY NARRATIVE				
NEW OR MODIFIED FACILITY NARRATIVE CODE	K	255	NMFNCDFD	
FACILITY DESIGN CRITERIA		105		
FACILITY INSTALLATION LEAD TIME		106		
FACILITY TASK AREA BREAKDOWN		122		
FACILITIES UTILIZATION		111		
FACILITIES REQUIREMENTS		108		
FACILITY UNIT COST RATIONALE		123		
FACILITY JUSTIFICATION		188		
TYPE OF CONSTRUCTION		482		
UTILITIES REQUIREMENT		502		
Table FE, OPERATIONS AND MAINTENANCE TASK FACILITY REQUIREMENT				
END ITEM ACRONYM CODE	F	096	EIACODXA	
LSA CONTROL NUMBER (LCN)	F	199	LCNCODXA	
ALTERNATE LCN CODE	F	019	ALTLCNXB	
LCN TYPE	F	203	LCNTYPXB	
TASK CODE	F	427	TASKCDCA	
PERSONNEL SKILL CONSIDERATIONS				
Table GA, SKILL SPECIALTY				
SKILL SPECIALTY CODE	K	387	SKSPCDGA	
SKILL LEVEL CODE		386	SKLVCDGA	
HOUR LABOR RATE		161	HRLARTGA	
TRAINING COST		460	TRNCOSGA	
Table GB, NEW OR MODIFIED SKILL				
NEW OR MODIFIED SKILL SPECIALTY CODE	K	257	MDCSSCGB	
NEW OR MODIFIED SKILL LEVEL CODE		386	MDSCLCGB	
SKILL SPECIALTY CODE		387	SKSPCDGA	
DUTY POSITION REQUIRING A NEW OR REVISED SKILL		092	DPRNRSGB	
RECOMMENDED RANK/RATE/PAY PLAN/GRADE		330	———	
SECURITY CLEARANCE		369	SCRSSCGB	
TEST SCORE		449	SSCTESGB	
ASVAB AFQT SCORE		026	ABAFQTGB	
ASVAB AFQT EXPECTED RANGE		026	———	
ASVAB AFQT LOWEST PERCENT		026	———	
Table GC, NEW OR MODIFIED SKILL NARRATIVE				
NEW OR MODIFIED SKILL NARRATIVE CODE	K	256	NMSNCDGC	
ADDITIONAL REQUIREMENTS		007		
EDUCATIONAL QUALIFICATIONS		094		
SKILL JUSTIFICATION		188		
ADDITIONAL TRAINING REQUIREMENTS		012		
Table GD, SKILL APTITUDE DATA				
ASVAB APTITUDE ELEMENT	K	026	ASVAPEGD	

FIGURE 71. Example of DD-FORM 1949-3.

DD FORM 1949-3, AUG 92

Part I LSAR DATA REQUIREMENTS FORM				Section 2
DATA ELEMENT TITLE	KEY	DED	CODE	REQUIRED
ASVAB APTITUDE ELEMENT EXPECTED RANGE		026	——	
ASVAB APTITUDE ELEMENT LOWEST PERCENT		026	——	
Table GE, PHYSICAL AND MENTAL REQUIREMENTS NARRATIVE				
END ITEM ACRONYM CODE	F	096	EIACODXA	
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB	
ALTERNATE LCN CODE	F	019	ALTLCNXB	
LCN TYPE	F	203	LCNTYPXB	
TASK CODE	F	427	TASKCDCA	
SUBTASK NUMBER	F	407	SUBNUMCB	
SUBTASK PERSON IDENTIFIER	F	288	SUBPIDCD	
PHYSICAL AND MENTAL REQUIREMENTS NARRATIVE		290	PAMENRGE	
TRANSPORTABILITY ENGINEERING ANALYSIS				
Table JA, TRANSPORTATION				
END ITEM ACRONYM CODE	F	096	EIACODXA	
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB	
ALTERNATE LCN CODE	F	019	ALTLCNXB	
LCN TYPE	F	203	LCNTYPXB	
TRANSPORTATION INDICATOR		468	TRNINDJA	
SECTIONALIZED IDENTIFICATION		366	SECTIDJA	
ENVIRONMENTAL HANDLING AND TRANSPORTATION INDICATOR		098	ENHATCJA	
DELIVERY SCHEDULE		075	DELSCHJA	
CONTRACT NUMBER		055	CONNUMJA	
PROPER SHIPPING NAME		304	PROPSNJA	
SPEED		400	SPSPEDJA	
TOWING SPEED		455	TWSPEDJA	
MILITARY UNIT TYPE		242	MILUNTJA	
REVISION DATE		071	TRCHRDJA	
THEATER OF OPERATION		451	TRCHTHJA	
NONOPERATIONAL FRAGILITY FACTOR		260	NOPRFFJA	
NET EXPLOSIVE WEIGHT		254	NETEXWJA	
Table JB, TRANSPORTATION SHIPPING MODE				
TRANSPORTATION CHARACTER NUMBER	K	465	TRANCNJB	
TRANSPORTATION CHARACTER MODE TYPE	K	464	TRCHMTJB	
TRANSPORTATION ITEM DESIGNATOR		469	TRITDRJB	
SHIPPING CONFIGURATION		380	SHPCONJB	
CONTAINER LENGTH		053	CONLENJB	
CONTAINER TYPE		054	CONTYPJB	
FREIGHT CLASSIFICATION		146	FRCLASJB	
EXTERNAL OR INTERNAL LOAD INDICATOR		104	EOILINJB	
HELICOPTER MISSION		159	——	
HIGHWAY MODEL LOAD		250	——	
HIGHWAY MODEL TYPE		251	——	
RAIL USE		326	RAILUSJB	
RAIL TRANSPORTATION COUNTRY		325	RAILTCJB	
SEA DECK STOWAGE		072	SDECKSJB	
Table JC, TRANSPORTED END ITEM				
TRANSPORTED CONFIGURATION NUMBER	K	473	TRCONMJC	
MOBILITY TYPE	K	249	MOBTYPJC	

FIGURE 71. Example of DD-Form 1949-3.

Part I LSAR DATA REQUIREMENTS FORM				Section 2
DATA ELEMENT TITLE	KEY	DED	CODE	REQUIRED
OPERATIONAL WEIGHT EMPTY/LOADED		276	——	
MILITARY LOAD CLASSIFICATION EMPTY/LOADED		241	——	
SHIPPING WEIGHT EMPTY/LOADED		381	——	
CREST ANGLE		063	CREANGJC	
TRACKED GROUND PRESSURE		456	TRGRPRJC	
TRACKED ROAD WHEEL WEIGHT		459	TRRWWTJC	
TRACKED PADS TOUCHING		458	TRNUPTJC	
TRACKED PAD SHOE AREA		457	TRPSARJC	
WHEELED INFLATION PRESSURE		507	WHINPRJC	
WHEELED NUMBER OF PLIES		508	WHNUPLJC	
WHEELED NUMBER TIRES		509	WHNUTIJC	
WHEELED TIRE LOAD RATINGS		510	WHTLDRJC	
WHEELED TIRE SIZE		512	WHTIFTJC	
WHEELED WEIGHT RATINGS		513	WHWERAJC	
AXLE LENGTH		029	——	
SKID NUMBER OF SKIDS		264	SNUMSKJC	
SKID AREA		384	SDSICGJC	
Table JD, TRANSPORTED END ITEM NARRATIVE				
TRANSPORTED END ITEM NARRATIVE CODE	K	474	TREINCJD	
WHEELED TIRE REQUIREMENTS		511		
SKID REMARKS		385		
TURNING INFORMATION		477		
WHEELED AXLE AND SUSPENSION REMARKS		506		
TRANSPORTED OTHER EQUIPMENT		475		
Table JE, TRANSPORT BY FISCAL YEAR				
TRANSPORT FISCAL YEAR	K	145	TRAFYRJE	
FIRST QUARTER PROCUREMENT QUANTITY		298	FIQPQTJE	
SECOND QUARTER PROCUREMENT QUANTITY		298	SQPQTYJE	
THIRD QUARTER PROCUREMENT QUANTITY		298	TQPQTYJE	
FOURTH QUARTER PROCUREMENT QUANTITY		298	FQPQTYJE	
Table JF, TRANSPORTATION NARRATIVE				
TRANSPORTATION NARRATIVE CODE	K	470	TRANCDJF	
TRANSPORTATION SHOCK VIBRATION REMARKS		382		
LIFTING AND TIEDOWN REMARKS		192		
TRANSPORTATION PROJECTION REMARKS		471		
REGULATORY REQUIREMENTS		340		
TRANSPORTATION REMARKS		472		
SPECIAL SERVICE AND EQUIPMENT		398		
SECTIONALIZED REMARKS		368		
TRANSPORTED TO AND FROM		476		
ENVIRONMENTAL CONSIDERATIONS		099		
MILITARY DISTANCE CLASSIFICATION		240		
UNUSUAL AND SPECIAL REQUIREMENTS		500		
VENTING AND PROTECTIVE CLOTHING		504		
DISASTER RESPONSE FORCE REQUIREMENTS		082		

FIGURE 71. Example of DD-Form 1949-3.

Part II	LSAR DATA REQUIREMENTS FORM									Section 2							
PROVISIONING REQUIREMENTS																	
DATA ELEMENT TITLE	KEY	DED	CODE	LSA 036 CARD BLOCK	REQD	LLTIL	PPL	SFPPL	CBIL	RIL	ISIL	PCL	TTEL	SCPL	DCN	ARA	ARB
CROSS FUNCTIONAL REQUIREMENT																	
Table XC, SYSTEM/END ITEM (SEE ALSO PART I)																	
USABLE ON CODE	G	501	UOCSEIXC	D-43													
SYSTEM/EI PCCN	G	307	PCCNUMXC	A-1													
SYSTEM/EI PLISN		309	PLISNOXC	A-2													
SYSTEM/EI TYPE OF CHANGE CODE		481	TOCCODXC	A-3													
SYSTEM/EI QUANTITY PER ASSEMBLY		316	QTYASYXC	C-32													
SYSTEM/EI QUANTITY PER END ITEM		317	QTYPEIXC	C-33													
Table XD, SYSTEM/END ITEM SERIAL NUMBER (SEE ALSO PART I)																	
PACKAGING AND PROVISIONING REQUIREMENT																	
Table HA, ITEM IDENTIFICATION (SEE ALSO PART III)																	
CAGE CODE	F	046	CAGECDXH	A-5													
REFERENCE NUMBER	K	337	REFNUMHA	A-6													
ITEM NAME		182	ITNAMEHA	A-12													
ITEM NAME CODE		183	INAMECHA	J-89													
REFERENCE NUMBER CATEGORY CODE		338	REFNCCHA	A-7													
REFERENCE NUMBER VARIATION CODE		339	REFNVCHA	A-8													
DLSC SCREENING REQUIREMENT CODE		073	DLSCRCHA														
DOCUMENT IDENTIFIER CODE		087	DOCIDCHA														
ITEM MANAGEMENT CODE		181	ITMMGCHA	E-64													
NSN PREFIX		253	------	B-15													
NATIONAL STOCK NUMBER (NSN)		253	------	B-15													
NSN SUFFIX		253	------	B-15													
UNIT OF ISSUE CONVERSION FACTOR		489	UICONVHA	B-20													
SHELF LIFE		377	SHLIFEHA	A-13													
SHELF LIFE ACTION CODE		378	SLACTNHA	A-14													
PROGRAM PARTS SELECTION LIST		302	PPSLSTHA	A-10													
DOCUMENT AVAILABILITY CODE		086	DOCAVCHA	A-9													
PRODUCTION LEAD TIME		299	PRDLDTHA	B-24													
SPECIAL MATERIAL CONTENT CODE		395	SPMACCHA	D-47													
SPECIAL MAINTENANCE ITEM CODE		392	SMAINCHA	D-49													
CRITICALITY CODE		066	CRITCDHA	J-88													
PRECIOUS METAL INDICATOR CODE		293	PMICODHA	B-27													
SPARES ACQ INTEGRATED WITH PRODUCTION		391	SAIPCDHA														
PROVISIONING LIST CATEGORY CODE		308	------	D-48													
PHYSICAL SECURITY PILFERAGE CODE		291	PHYSECHA	B-26													
ADP EQUIPMENT CODE		027	ADPEQPHA	B-28													
DEMILITARIZATION CODE		076	DEMILIHA	B-23													
ACQUISITION METHOD CODE	G	003	ACQMETHA	E-62													
ACQUISITION METHOD SUFFIX CODE	G	004	AMSUFCHA	E-63													
HAZARDOUS MATERIALS STORAGE COST		156	HMSCOSHA														
HAZARDOUS WASTE DISPOSAL COST		157	HWDCOSHA														
HAZARDOUS WASTE STORAGE COST		158	HWSCOSHA														
CONTRACTOR TECHNICAL INFORMATION CODE		058	CTICODHA	E-61													
UNIT OF MEASURE		491	UNITMSHA	B-16													
UNIT OF ISSUE		488	UNITISHA	B-18													

FIGURE 71. Example of DD-Form 1949-3.

DD FORM 1949-3, AUG 92

Page 25 of 29

Part II	LSAR DATA REQUIREMENTS FORM									Section 2							
PROVISIONING REQUIREMENTS					REQD	LLTIL	PPL	SFPPL	CBIL	RIL	ISIL	PCL	TTEL	SCPL	DCN	ARAA	ARAB
DATA ELEMENT TITLE	KEY	DED	CODE	LSA 036 CARD BLOCK													
LINE ITEM NUMBER		193	LINNUMHA														
CRITICAL ITEM CODE		065	CRITITHA														
INDUST MATERIALS ANALYSIS OF CAPACIT	Y	163	INDMATHA														
MATERIAL LEADTIME		219	MTLEADHA														
MATERIAL WEIGHT		220	MTLWGTHA														
MATERIAL		218	MATERLHA	M-92													
Table HB, ADDITIONAL REFERENCE NUMBER																	
ARN CAGE CODE	F	046	ADCAGEHB	A-5													
ADDITIONAL REFERENCE NUMBER	K	006	ADDREFHB	A-6													
ARN REFERENCE NUMBER CATEGORY CODE		338	ADRNCCHB	A-7													
ARN REFERENCE NUMBER VARIATION CODE		339	ADRNVCHB	A-8													
Table HC, CONTRACTOR TECHNICAL IFORMATION CODE CAGE																	
CTIC CAGE CODE	F	046	CTCAGEHC														
Table HD, UNIT OF ISSUE PRICE																	
UNIT OF ISSUE (UI) PRICE	K	490	UIPRICHD	B-19													
UI PRICE LOT QUANTITY		205	——														
UI PRICE CONCURRENT PRODUCTION CODE		051	CURPRCHD														
UI PRICE TYPE OF PRICE CODE		485	TUIPRCHD														
UI PRICE PROVISIONING		314	PROUIPHD														
UI PRICE FISCAL YEAR		145	FISCYRHD														
Table HE, UNIT OF MEASURE PRICE																	
UNIT OF MEASURE (UM) PRICE	K	492	UMPRICHE	B-17													
UM PRICE LOT QUANTITY		205	——														
UM PRICE CONCURRENT PRODUCTION CODE		051	CURPRCHE														
UM PRICE TYPE OF PRICE CODE		485	TUMPRCHE														
UM PRICE PROVISIONING		314	PROUMPHE														
UM PRICE FISCAL YEAR		145	FISCYRHE														
Table HG, PART APPLICATION PROVISIONING																	
END ITEM ACRONYM CODE	F	096	EIACODXA														
LSA CONTROL NUMBER (LCN)	F	199	LSACONXB	H-77													
ALTERNATE LCN CODE	F	019	ALTLCNXB	H-78													
LCN TYPE	F	203	LCNTYPXB														
PROV LIST ITEM SEQUENCE NO (PLISN)		309	PLISNOHG	A-2													
QUANTITY PER ASSEMBLY		316	QTYASYHG	C-32													
OPTION 1																	
OPTION 2	N																
OPTION 3																	
SUPPRESSION INDICATOR		422	SUPINDHG														
DATA STATUS CODE		070	DATASCHG														
PROVISIONING SYSTEM IDENTIFIER CODE	C	312	PROSICHG														
PTD SELECTION CODE		313	——														
TYPE OF CHANGE CODE		481	TOCCODHG	A-3													
INDENTURE CODE		162	INDCODHG	A-4													

FIGURE 71. Example of DD-Form 1949-3.

DD FORM 1949-3, AUG 92

Part II	LSAR DATA REQUIREMENTS FORM									Section 2							
PROVISIONING REQUIREMENTS																	
DATA ELEMENT TITLE	KEY	DED	CODE	LSA 036 CARD BLOCK	REQD	LLTIL	PPL	SFPPL	CBIL	RIL	ISIL	PCL	TTEL	SCPL	DCN	ARA	ARB
Table HI, PROVISIONING REMARK																	
PROVISIONING REMARKS		311	REMARKHI	H-79													
Table HJ, PROVISIONING REFERENCE DESIGNATION																	
REFERENCE DESIGNATION	K	335	REFDESHJ	D-44													
OPTION 1																	
OPTION 2																	
OPTION 3																	
OPTION 4																	
OPTION 5																	
REFERENCE DESIGNATION CODE	K	336	RDCODEHJ	D-46													
TECHNICAL MANUAL (TM) CODE		437	TMCODEXI														
FIGURE NUMBER		144	FIGNUMHK														
ITEM NUMBER		184	ITEMNOHK														
Table HK, PARTS MANUAL DESCRIPTION																	
TECHNICAL MANUAL (TM) CODE	F	437	TMCODEXI	J-80													
FIGURE NUMBER	K	144	FIGNUMHK	J-81													
ITEM NUMBER	K	184	ITEMNOHK	J-82													
TM FUNCTIONAL GROUP CODE		438	TMFGCDHK	J-86													
TM INDENTURE CODE		439	TMINDCHK	J-84													
QUANTITY PER FIGURE		318	QTYFIGHK	J-85													
TM CHANGE NUMBER		436	TMCHGNHK	J-83													
Table HL, PARTS MANUAL PROVISIONING NOMENCLATURE																	
PROVISIONING NOMENCLATURE		310	PROVNOHL	K-91													
Table HM, BASIS OF ISSUE																	
BASIS OF ISSUE	K	030	——	J-87													
Table HN, PROVISIONING SERIAL NUMBER USABLE ON CODE																	
S/N PROVISIONING SYSTEM/EI LCN	F	199	LCNSEIHN														
S/N PROVISIONING SYSTEM/EI ALC	F	019	ALCSEIHN														
S/N PROVISIONING SERIAL NUMBER	F	373	——														
Table HO, PROVISIONING SYSTEM/END ITEM USABLE ON CODE																	
UOC PROVISIONING SYSTEM/EI LCN	F	199	LCNSEIHO														
UOC PROVISIONING SYSTEM/EI ALC	F	019	ALCSEIHO														
Table HP, DESIGN CHANGE INFORMATION																	
CHANGE AUTHORITY NUMBER	K	043	CANUMBHP	F-66													
REPLACED OR SUPERSEDING (R/S) PLISN		353	RSPLISHP	F-70													
R/S PLISN INDICATOR		354	RSPINDHP	F-71													
INTERCHANGEABILITY CODE		172	INTCHCHP	F-67													
TOTAL ITEM CHANGES		452	TOTICHHP	F-69													
OPTION 1																	
OPTION 2																	

FIGURE 71. Example of DD-Form 1949-3.

DD FORM 1949-3, AUG 92

Part II	LSAR DATA REQUIREMENTS FORM									Section 2							
PROVISIONING REQUIREMENTS																	
DATA ELEMENT TITLE	KEY	DED	CODE	LSA 036 CARD BLOCK	REQD	LLTIL	PPL	SFPPL	CBIL	RIL	ISIL	PCL	TTEL	SCPL	DCN	ARAA	ARAB
QUANTITY SHIPPED		323	QTYSHPHP	F-72													
QUANTITY PROCURED		322	QTYPROHP	F-73													
PRORATED EXHIBIT LINE ITEM NUMBER		305	PROELIHP	G-75													
PRORATED QUANTITY		306	PROQTYHP	G-76													
Table HQ, SERIAL NUMBER EFFECTIVITY																	
SERIAL NUMBER EFFECTIVITY	K	374	———	F-68													
Table HR, DESIGN CHANGE USABLE ON CODE				F-74													

FIGURE 71. Example of DD-Form 1949-3.

Part III	LSAR DATA REQUIREMENTS FORM					Section 2	
DATA ELEMENT TITLE	KEY	DED	CODE	REQ'D	COMMON	SELECTIVE	SPECIAL
PACKAGING AND PROVISIONING REQUIREMENT							
Table HA, ITEM IDENTIFICATION (SEE ALSO PART II)							
UNIT WEIGHT		497	UWEIGHHA				
UNIT SIZE		496	———				
HAZARDOUS CODE		154	HAZCODHA				
Table HF, Item Packaging Requirement							
CAGE CODE	F	046	CAGECDXH				
REFERENCE NUMBER	F	337	REFNUMHA				
DEGREE OF PROTECTION CODE	K	074	DEGPROHF				
UNIT CONTAINER CODE		486	UNICONHF				
UNIT CONTAINER LEVEL		487	UCLEVLHF				
PACKING CODE		283	PKGCODHF				
PACKAGING CATEGORY CODE		282	PACCATHF				
METHOD OF PRESERVATION CODE		239	MEPRESHF				
CLEANING AND DRYING PROCEDURES		045	CDPROCHF				
PRESERVATION MATERIAL CODE		295	PRSMATHF				
WRAPPING MATERIAL		517	WRAPMTHF				
CUSHIONING AND DUNNAGE MATERIAL		067	CUSHMAHF				
CUSHIONING THICKNESS		068	CUSTHIHF				
QUANTITY PER UNIT PACK		321	QTYUPKHF				
INTERMEDIATE CONTAINER CODE		174	INTCONHF				
INTERMEDIATE CONTAINER QUANTITY		175	INCQTYHF				
SPECIAL MARKING CODE		394	SPEMRKHF				
UNIT PACK WEIGHT		495	UNPKWTHF				
UNIT PACK SIZE		494	———				
UNIT PACK CUBE		493	UNPKCUHF				
OPTIONAL PROCEDURES INDICATOR		279	OPTPRIHF				
SPECIAL PACKAGING INSTRUCTION (SPI)		396	SPINUMHF				
SPI NUMBER REVISION		397	SPIREVHF				
SPI NUMBER JULIAN DATE		187	SPDATEHF				
CONTAINER NATIONAL STOCK NUMBER		253	CONNSNHF				
SUPPLEMENTAL PACKAGING DATA		409	SUPPKDHF				
PACKAGING DATA PREPARER CAGE		046	PKCAGEHF				

FIGURE 71. Example of DD-Form 1949-3.

THIS PAGE INTENTIONALLY LEPT BLANK